

a catalog of building stones

COMPILED
BY
THE
INTERNATIONAL
CUT STONE
CONTRACTORS'
AND
QUARRYMEN'S
ASSOCIATION



It is part of the glory of stone that it can adapt itself to every purpose. The smallest residence is beautified by stone; and the greatest glories of architects find their full expression in natural stone.

LaSalle-Wacker Building, Chicago. Holabird & Root & A. N. Rebori, architects.





Throughout the United States and Canada . . .

wherever the great need for new buildings finds adequate support, STONE is rapidly becoming the architect's inspiration, the builder's friend, the popular choice.

Keeping pace with this new trend, the International Cut Stone Contractors' and Quarrymen's Association is presenting, through the pages of this booklet, a catalog of available building stones, together with such pertinent information as may be required in the selection and use of stone.

This association is not new. Fifty years ago it guided architects and builders alike, and gained their respect and confidence by pledging its members to the highest possible standards of performance. Today, some hundred and sixty members of the Association repeat that pledge, keeping always in mind that membership in the Association is a recommendation of business integrity, and an assurance that its members will perform all their commitments in a satisfactory manner.

Members of the International Cut Stone Contractors' and Quarrymen's Association quarry, fabricate and distribute natural stone only. They do not deal in substitute materials, since any substitute for stone is by definition a lesser material and therefore a poor choice so long as natural stone remains available.

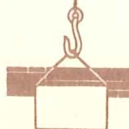
The principal objective of the Stone Association is two-fold: first, the maintenance of the highest possible standards of business and craftsmanship among its members; second, the encouragement of a continued and wider use of stone in building construction.

Every member of the Association is pledged to the accomplishment of these objectives, and will give freely of his time and knowledge to architects, engineers, contractors and the building public, whenever the problem concerns stone, its use, availability, installation, cost or delivery.

Stone is the first of all building materials — first in age, first in adaptability, first in value, first in economy. It has distinctive characteristics which neither the brilliance of man, nor the genius of his machines can duplicate. It is permanent, serviceable, beautiful. And as the years pass, it is but fitting that we of this generation preserve our works and our accomplishments in permanent form, even as did our forebears.

INTERNATIONAL CUT STONE CONTRACTORS'

AND QUARRYMEN'S ASSOCIATION



index of building stones

Nature has been most lavish in the wide variety of building stones with which it has supplied man. The range of colors and textures provide an almost inexhaustible palette from which the careful designer can choose. Yet, each stone has its purpose, and the architect or engineer who values the integrity of his handwork will choose carefully, knowing that, no matter what his need, how unique his problem, there is a stone to suit his purpose. The following index is offered as an aid in that selection. Detailed information about any of these stones can be secured by contacting any of the Association Members listed on pages 39 and 40 of this catalog.

CLASSIFICATION	TRADE NAME	COLOR RANGE	COMPANY	QUARRY LOCATION	PAGE
DIMENSIONAL STONES					
Limestone, Crystalline	Carthage Limestone	Light Gray	Carthage Marble Corporation	Carthage, Missouri	11
Limestone, Dolomitic	Kasota Stone	Buff, Cream, Pink	The Babcock Company	Kasota, Minnesota	24 & 25
	Man-sota Stone	Buff, Cream, Pink	The Babcock Company	Kasota, Minnesota	
	Mankato Stone	Buff, Cream, Gray, Pink	Mankato Stone Company	Mankato, Minnesota	30
	Winona Stone	Pastel Shades of Cream, Gray, Buff, Pink, Yellow, Brown	Biesanz Stone Company, Inc.	Winona, Minnesota	38
Limestone, Oolitic	Cordova Texas Limestone	Cream to Golden Cream	Texas Quarries, Inc.	Austin, Texas	14
	Indiana Limestone	Buff, Gray, Variegated	The Bloomington Limestone Corporation	Bloomington, Ind.	17-21
			Empire Stone Company	Bloomington, Ind.	
			The Carl Furst Company	Bedford, Indiana	
			B. G. Hoadley Quarries, Inc.	Bloomington, Ind.	
			Indiana Limestone Company, Inc.	Bedford, Indiana	
			Victor Oolitic Stone Company	Bloomington, Ind.	
	Junction City Stone	Golden Cream, Light Buff	Walker Cut Stone Company	Junction City, Kansas	22
	Kansas Travertine	Light Golden	Walker Cut Stone Company	Junction City, Kansas	
	Liberty Hill Cream Stone	Creamy Buff	San-Tex Stone Quarry, Inc.	Liberty Hill, Texas	29
	Liberty Hill Golden Shell	Golden Cream, Shell Impressions	San-Tex Stone Quarry, Inc.	Liberty Hill, Texas	
	Manhattan Stone	Buff	Manhattan Cut Stone Company	Manhattan, Kansas	
	Silverdale Stone	Buff	Silverdale Cut Stone Company	Silverdale, Kansas	
Sandstone	Berea Stone	Gray, Buff, Variegated	The Cleveland Quarries Company	Amherst, Ohio	10
	Lenroc Stone	Blue-gray	Finger Lakes Stone Company, Inc.	Ithaca, New York	28

CLASSIFICATION	TRADE NAME	COLOR RANGE	COMPANY	QUARRY LOCATION	PAGE
RUBBLE STONES AND SPLIT FACE					
Limestone	Carthage Limestone	Light Gray	Carthage Marble Corporation	Carthage, Missouri	11
	Conco Lannon Stone	Gray, Ivory, Buff, Variegated	Conco Lannon Quarry	Lannon, Wisconsin	26
	Cordova Texas Limestone	Cream to Golden Cream	Texas Quarries, Inc.	Austin, Texas	14
	Fond du Lac Stone	White, Blue, Gray, Brown, Rose, Yellow	Fond du Lac Stone Company, Inc.	Fond du Lac, Wisconsin	15
	Halquist Lannon Stone	White, Cream, Variegated	Halquist Lannon Stone Company	Sussex, Wisconsin	27
	Indiana Limestone	Buff, Gray, Variegated	The Bloomington Limestone Corporation	Bloomington, Ind.	17-21
			Empire Stone Company	Bloomington, Ind.	
			The Carl Furst Company	Bedford, Indiana	
			B. G. Hoadley Quarries, Inc.	Bloomington, Ind.	
			Indiana Limestone Company, Inc.	Bedford, Indiana	
			Victor Oolitic Stone Company	Bloomington, Ind.	
			Walker Cut Stone Company	Junction City, Kansas	22
	Junction City Stone	Golden Cream, Light Buff	Walker Cut Stone Company	Junction City, Kansas	22
	Kasota Stone	Buff, Cream, Pink	The Babcock Company	Kasota, Minnesota	24 & 25
	Liberty Hill Cream Stone	Creamy Buff	San-Tex Stone Quarry, Inc.	Liberty Hill, Texas	29
	Liberty Hill Golden Shell	Golden Cream, Shell Impressions	San-Tex Stone Quarry, Inc.	Liberty Hill, Texas	
	Mankato Stone	Buff, Cream, Gray, Pink	Mankato Stone Company	Mankato, Minnesota	30
	Paxico	Tan, Light Brown, Variegated	Walker Cut Stone Company	Junction City, Kansas	
	Sunset Stone	Blue, Brown, Gray, Green, Red, Yellow	Burlington Quarries	Burlington, Wisconsin	34
	Winona Stone	Pastel Shades of Cream, Gray, Buff, Pink, Yellow, Brown	Biesanz Stone Company, Inc.	Winona, Minnesota	38
Quartzite	Chesapeake-hue Stone	Variegated	C. E. Weaver Stone Co.	Reistertown, Maryland	12
	Colorado Pink Stone	Red, Pink	Jacobson-Evans Stone Company, Inc.	Lyons, Colorado	13
	Colorado Red Stone	Red, Mahogany, Pink Picture, Buff, White	Summers Rock Quarry	Lyons, Colorado	13
	Crab Orchard Stone	Pink, Tan, Buff, Gray and Variegated	Crab Orchard Stone Company, Inc.	Crossville, Tennessee	35
	Oneonta Stone	Buff, Brown, Pink, White	H. H. Garner Stone Company	Oneonta, Alabama	31
	Penn-Kress Stone	Green, Gray, Purple	Penn Kress Flagstone Company	Emporium, Pennsylvania	33
	Tennessee Variegated Stone	Pink, Tan, Buff, Gray and Variegated	Turner Brothers Stone Company, Inc.	Crossville, Tennessee	36
	Tennquartz	Pink, Tan, Buff, Gray and Variegated	Tennessee Stone Company, Inc.	Crossville, Tennessee	37
Sandstone	Berea Sandstone	Gray, Buff, Variegated	The Cleveland Quarries Company	Amherst, Ohio	10
	Harmony Ledgestone	Pink, Brown, Gray	Texas Ledge Stone Company	Clarksville, Arkansas	16
	Kaibab Arizona Stone	Buff, Red, Yellow, Pink	Western States Stone Company	Ash Fork, Arizona	23
	Kaibab Neva Stone	Tan, Purple, Variegated	Western States Stone Company	Jean, Nevada	23
	Lenroc	Blue-Gray through Tan, Browns, Rusk	Finger Lakes Stone Company, Inc.	Ithaca, New York	28
	*Pearl Sandstone	Buff, Brown, Gray, Pink	Pearl Sandstone Company	Fresno, Ohio	32
	* Sawed to course heights				

characteristics of various building stones

While most stones listed in the preceding Index have a wide variety of uses, it will be found helpful to understand the characteristics of the various stones listed, as an aid in their use. More complete information than can be included here is available from any of the Association members listed on pages 39 and 40 of this catalog.

LIMESTONE

OOOLITIC — a calcite-cemented calcareous stone formed of shells and shell fragments, practically non-crystalline in character. It is found in massive deposits located almost entirely in Lawrence, Monroe and Owen Counties, Indiana, and in Alabama, Kansas and Texas. This limestone is characteristically a freestone, without cleavage planes, possessing a remarkable uniformity of composition, texture and structure. It possesses a high internal elasticity, adapting itself without damage to extreme temperature changes.

DOLOMITIC — a limestone rich in magnesium carbonate, frequently somewhat crystalline in character. It is found in ledge formations in a wide variety of color tones and textures. Generally speaking, its crushing and tensile strengths are greater than the oolitic limestones, and its appearance shows greater variety in texture.

CRYSTALLINE — a limestone which is predominantly composed of calcium carbonate crystals, though not of the re-crystallized nature characteristic of marble. It is high in crushing and tensile strength, very low in absorption, and usually shows only slight variations from a uniform light gray color and smooth texture.

SANDSTONE

A sedimentary rock consisting usually of quartz cemented with silica, iron oxide or calcium carbonate. Sandstone is durable, has a very high crushing and tensile strength, and a wide range of colors and textures.

QUARTZITE

A compact granular rock composed of quartz crystals, usually so firmly cemented as to make the mass homogeneous and as hard as many granites. The stone is generally quarried in stratified layers, the surfaces of which are unusually smooth. Its crushing and tensile strengths are extremely high. The color range is wide.

RUBBLE (ledge stone), FLAGGING

A natural cleft stone, which may be limestone, sandstone or quartzite, particularly adaptable as a veneer. Since a large number of stones can be classified as rubble, there is also a wide variety of colors and textures. This stone is broken to standard widths and in random lengths from 6" to whatever the various quarries supply.

classifications of building stone

CUT STONE

This includes all stone cut or machined to a given size, dimension or shape, and produced in accordance with working or shop drawings which have been developed from the architect's structural drawings.

ASHLAR FACING

Strictly speaking, any exposed stone facing made from broken or cut stone, set at random or in uniform courses, is an ashlar facing. In this sense, cut stone may be set as an ashlar facing, or the word ashlar may apply to various forms of facing with stone which is not measured and cut, according to shop drawing specifications, but is set at the discretion of the stone mason on the job. Ashlar facing may be of several surface finishes, viz:

SPLIT FACE. (SAWED BED) This is customarily furnished in unit heights, generally speaking 4" on the beds, and is delivered to the job in strips or lengths from 18" to 4'. Usually split face is sawed on the beds and is split either by hand or with machine so that the surface face of the stone exhibits the natural quarry texture.

STRIP RUBBLE. Strip rubble, generally speaking, comes from a ledge quarry. The beds of the stone, while uniformly straight, are of the natural cleft as the stone is removed from the ledge, and then split by machine to approximately 4" widths.

SAWED FACE. This is a plain stone, the surface of which is the natural sawed finish. Like split face, it is furnished in unit heights, 4" on the bed and in lengths of 2' to 5'.

ROCK (PITCH) FACE. This is similar to split face, except that the face of the stone is pitched to a given line and plane, producing a bold appearance rather than the comparatively flush face obtained in split face. It occasions additional labor and necessarily an increased cost over split face.

FLAGSTONE

SAWED — So furnished it is sawed from dimension blocks of limestone or sandstone, usually in 2" thicknesses. Monotones of buff or gray or variegated are obtainable in this type.

LEDGESTONE — The majority of flagstones come from ledge quarries and are furnished in thicknesses from 1½" to 2". Such flagging comes in various colors: tan, brown, gray, red, blue, white, green, pink, buff, purple, yellow, orange and combinations of these. Most quarries furnish it either in random, irregular sizes, or broken to definite or pre-determined dimensions.

color and pattern in building stone

COLOR

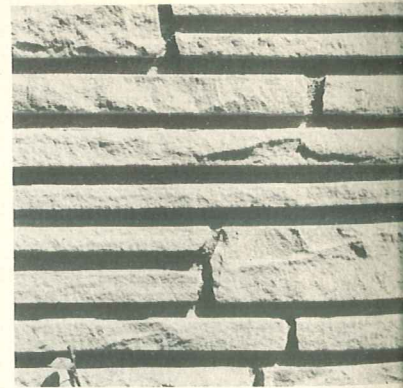
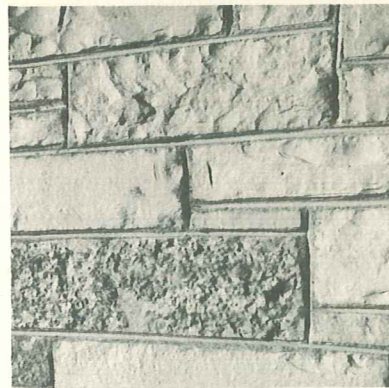
Building stone is available today in such a wide variety of colors that the architect or designer who contemplates using stone can consider his working palette as almost limitless. It is true, of course, that some of the startling "decorator" hues which have become common for interior decoration will not be found in natural stone. The basic colors themselves are there, but always so reduced in intensity that their use in combination is simple, effective, and foolproof. There are reds and greens, blues, yellows, grays, and various mixtures, either as solid colors, or as variegated combinations which add interest and character to any structure.

The palette indeed is so wide, and so well coordinated, that the dread monotony of similar structural design can be completely eliminated by a judicious choice of stone.

Some stones, like the limestones, gain effectiveness through the sheer beauty of the material, even though the color be monotone. Others, such as the strip rubble stones, frequently offer a wide range of hues which are normal to the stone as it comes from the quarry.

A careful selection of more than one stone for the same building adds the interest of color variety in a form that is permanent and most economical.

Think of color when you think of stone. There is no other material which offers such a well coordinated palette.



PATTERN

It is also part of the intrinsic beauty of natural building stone that variations in size and methods of setting, in color and surface finish, can provide the architect with new dimensions in design. Surface pattern achieved through variations in color and tone; shadow patterns which result from deep pointing; structural patterns gained by varying the type of stone used in different building elements — these add interest to a structure, and provide enrichment, even when strictest economy governs the job.

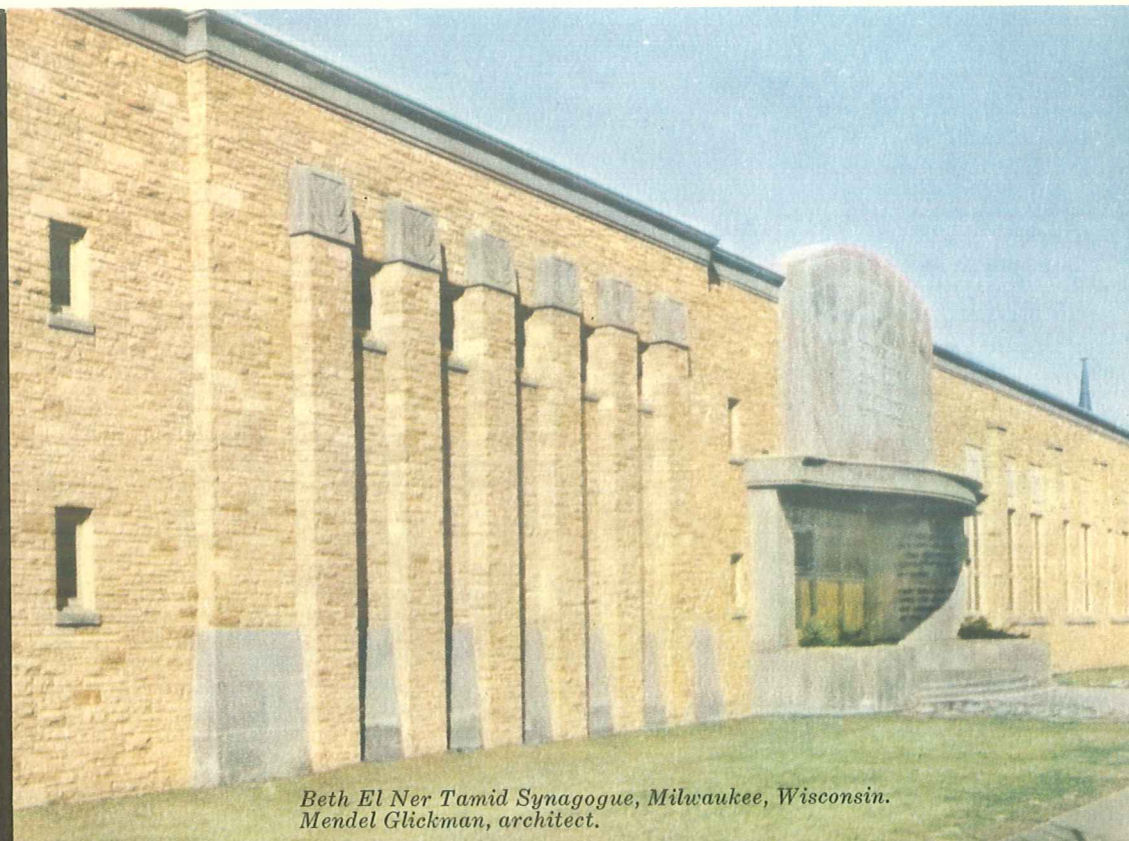


a catalog of building stones

The building stones which are illustrated in this catalog represent the principal stones being quarried today in the United States and Canada, and currently available in substantial quantities. This catalog is, of course, too small to permit detailed descriptions of each of these stones, but it is hoped that the pictorial information, coupled with other pertinent data listed within this brochure, will enable the architect, engineer or contractor to better define his needs, after which he may obtain full information from any of the Association Members listed on pages 39 and 40 of this catalog.

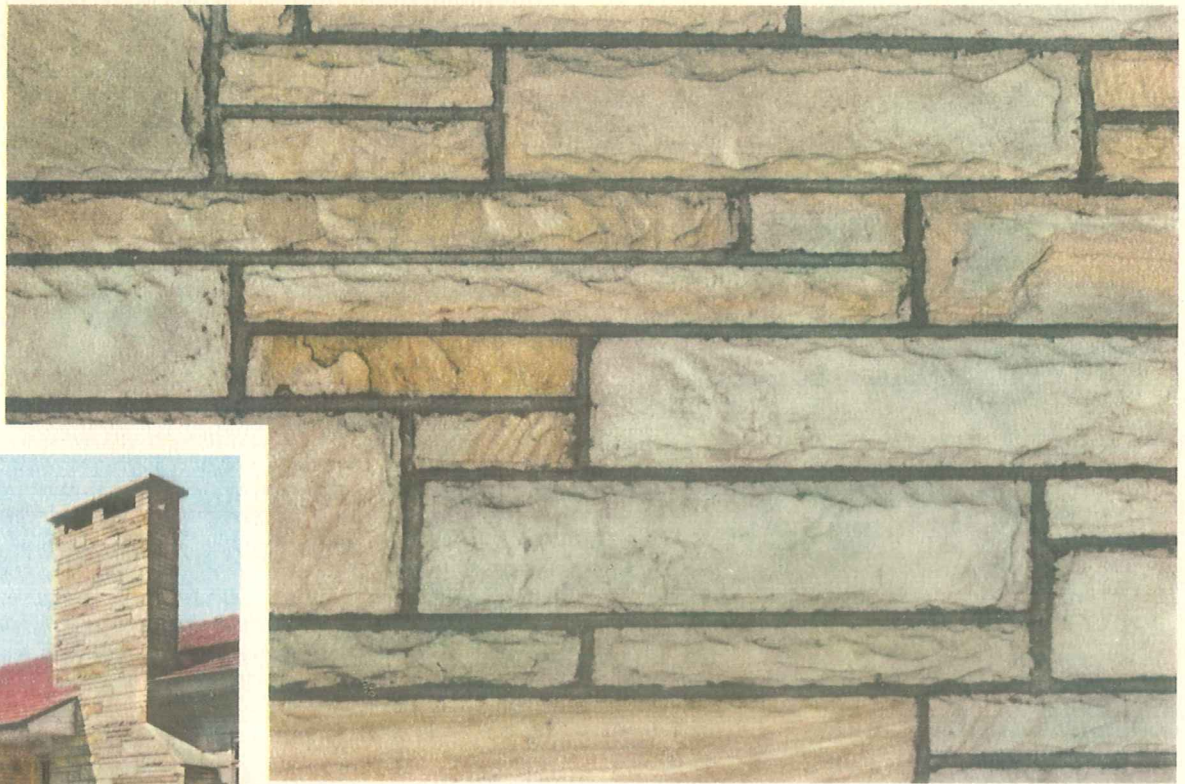
It must be remembered that, while every effort has been made to present true color reproduction, the limits of color printing make it necessary to allow for slight variations between these illustrations and the actual stone. Generally speaking, however, the colors and color ranges are sufficiently true to provide a serviceable guide.

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*Beth El Ner Tamid Synagogue, Milwaukee, Wisconsin.
Mendel Glickman, architect.*

berea sandstone



Berea Sandstone, split face, random ashlar.



Chimney detail. Berea Sandstone split face, $2\frac{1}{4}$ ", 5", and $7\frac{3}{4}$ " heights, random ashlar.

Berea Sandstone is quarried from the "Berea Formation" in Northern Ohio, an exceptionally durable sandstone of great permanence, for which the Curator of Geology of the United States National Museum has stated a life span of "perhaps one to many centuries." It is a fine-grained siliceous stone, of homogeneous composition throughout, with a color range of light to dark grays, light to dark buffs, and variegated, but these words little convey its pictorial richness.

Berea Sandstone is used for both interior and exterior construction; for such projects as bridges and curbing, as well as landscaping; for huge constructions and small commercial and residential building. It can be furnished in any finish desired by architect or builder from the honed finish, supplied for both interior and exterior finish in measured stone, to split face and shot sawn, in random ashlar. Flagstone is furnished in irregular, semi-irregular, rectangular and measured patterns.

THE CLEVELAND QUARRIES COMPANY, Amherst, Ohio



The Carolina Life Insurance Company Building, Columbia, South Carolina. La Faye, La Faye & Fair, architects. Berea Sandstone cut stone.

carthage stone



Carthage split face, 2¼" and 7¾" heights, random lengths, coursed.



Spiva Building, Joplin, Missouri. Clare Bates Manning, architect. Carthage Stone, sand rubbed finish.

Carthage Stone is a hard crystalline limestone which is classed as a marble by the United States Bureau of Standards. Close grained, with an absorption rating of 0.26%, it is highly recommended for base courses as it does not absorb ground moisture.

Carthage Stone is gray in color, so light that it is sometimes called white. As cut stone it is usually furnished in a sand rubbed finish, although a tooled finish can be furnished if desired. As split face it is available in 2¼", 5" and 7¾" heights, in 1' to 4' random lengths; as rock face it comes in random heights as well as random lengths. Because of its extreme hardness and resistance to wear and weathering, it is used for sills, coping, steps, balustrades, terraces, base courses, chimney caps, etc., as well as for exterior walls. Splendid examples of the use of Carthage Stone are the Missouri State Capitol, Jefferson City, and the United States Post Offices at St. Louis, Missouri, and at Little Rock, Arkansas.

CARTHAGE MARBLE CORPORATION, Carthage, Missouri

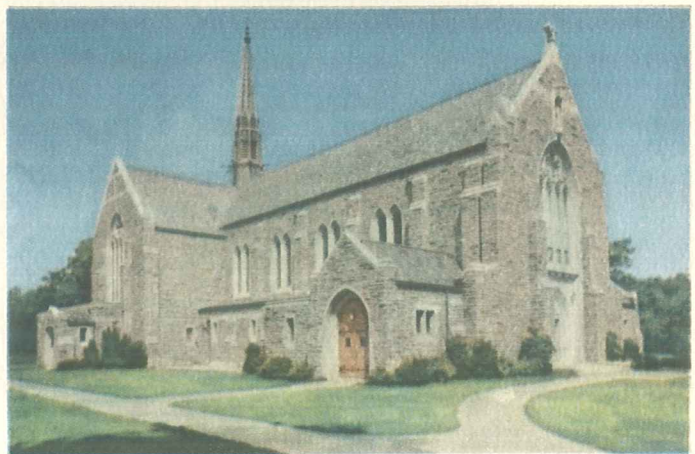


Broadview Country Club, Carthage, Missouri. Robert Braeckel, Joplin, architect. Carthage Stone, 2¼" and 5" split face, random lengths.

chesapeake-hue



Chesapeake-hue split face, full range of quarry colors, 2" to 6" heights, random ashlar.



Loyola Memorial Chapel, Loyola College, Baltimore, Maryland. Gaudreau and Gaudreau, architects. John McShain Inc., Philadelphia, general contractor. Chesapeake-hue, split face and seam face, random ashlar.

Chesapeake-hue is a hard, dense quartzite, produced from quarries that have been in continuous operation since 1800. Proof of the remarkable color retention of this stone is to be seen in structures built a century and a half ago. Its unusual color range is a beautiful blend of tones, ranging from grays and blue grays to soft browns, beige and cream, delicate olive greens, rusts, and variegated stones in which the colors lie in stratas.

Chesapeake-hue is furnished in full range of quarry colors, in split face and seam face in 2" to 6" heights and 1' to 4' lengths. Where greater heights are desired, the stone is furnished in 6", 7", 8", 9" and 10" widths to be set on edge with the natural seam face exposed, in addition to the split faces. Due to its natural beauty, simplicity, and everlasting retention of original colors, it has been widely accepted by architects, engineers and owners for application on the exterior and interior of residences, schools, churches, and other structures employing stone.

C. E. WEAVER STONE COMPANY, Reisterstown, Maryland



Residence, Baltimore, Maryland. Lawrence A. Menefee, architect. George H. Dashiells & Sons Co., Baltimore, general contractor. Chesapeake-hue, split face and seam face, random ashlar.

colorado stone

Colorado Stone from the Lyons formation is an almost pure quartzite sandstone, acid proof, stain proof, and weather resistant. Its almost unbelievably beautiful color is predominantly red, ranging from light pink to mahogany. The bedding planes for this stone are perfectly smooth and parallel. Most of the fine buildings in the Denver-Boulder area are constructed of this stone, as are hundreds of luxurious buildings all over the United States.



Residence, Tulsa, Oklahoma. L. M. Hullum, Architect.
Colorado Pink Stone, 1/2" to 8" heights, 12" to 48" lengths.

colorado pink

(REGISTERED TRADE NAME)

Colorado Pink Stone is furnished as wall veneer in 1/2" to 18" heights; in cut random flagstone and picture flagstone, and for mantels, copings, sills, treads, and special architectural pieces and designs in a full range of colors — reds, pinks, variegated, buff and white.

JACOBSON-EVANS STONE CO., INC.

Lyons, Colorado; Tulsa, Oklahoma

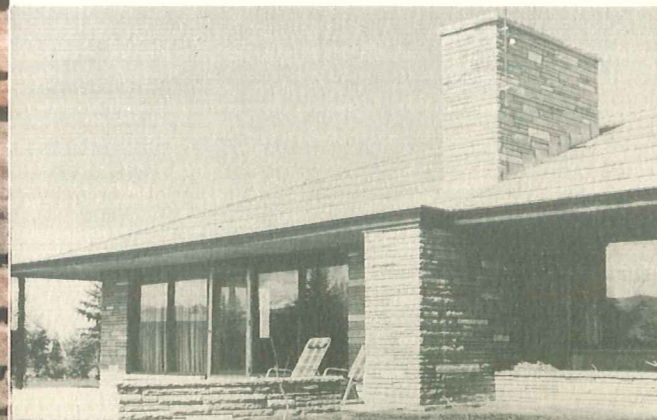
colorado red sandstone

Colorado Red Sandstone is furnished in pitch face veneer in 1" to 12" heights; sawed for sills, etc., double scored for floors, swimming pools, etc., in red, pink, buff or white. Flagstone is furnished in 24" to 60" squares, 3/4" to 2" heights, same colors.

SUMMERS ROCK QUARRY

Lyons, Colorado

Residence, Robert W. Ditzen, architect. Colorado Red Sandstone, split face and flagstone.



cordova shell limestone



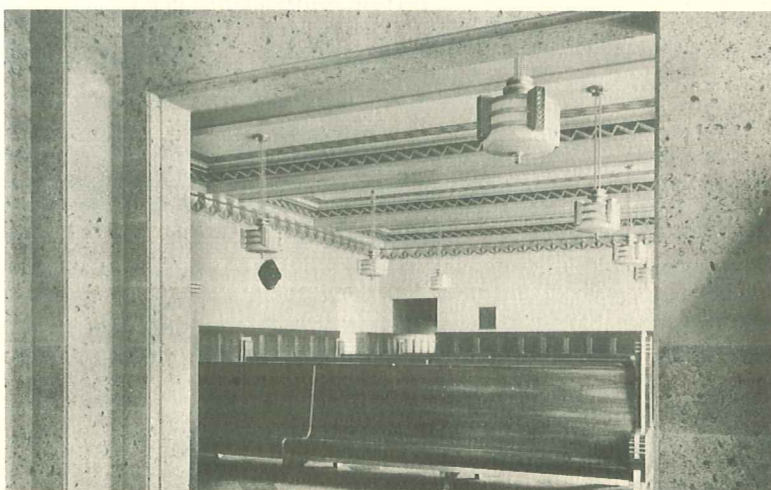
Great American Reserve Life Insurance Company, Dallas, Texas. George Dahl, architect. Cordova Shell smooth machine finish, veneer, cut-ready-to-set.

Cordova Shell Limestone is found only in Texas. A natural Texas Limestone, varying from soft creamy tints to a more golden color, its beauty is heightened by an ever-changing pattern of shell imprints.

Cordova Shell lends its elegant beauty to homes, institutions, memorials and commercial buildings all over America. It is equally adaptable as a decorative or structural stone for most uses, both interior and exterior. Architect Alfred C. Flinn selected versatile Cordova Shell for the San Jacinto Monument and Henry Dreyfuss, distinguished industrial designer, used it with decorative distinction in two American Export Lines luxury ships. Cordova Shell is remarkably uniform in texture, structure and composition, with equal strength in all directions. Cordova Shell retains its decorative quality and structural soundness under exposure to most temperature changes. Available in cut-ready-to-set, according to architects' plans and specifications, in all types of finishes. Also available in split face.

TEXAS QUARRIES, INC. Austin, Texas

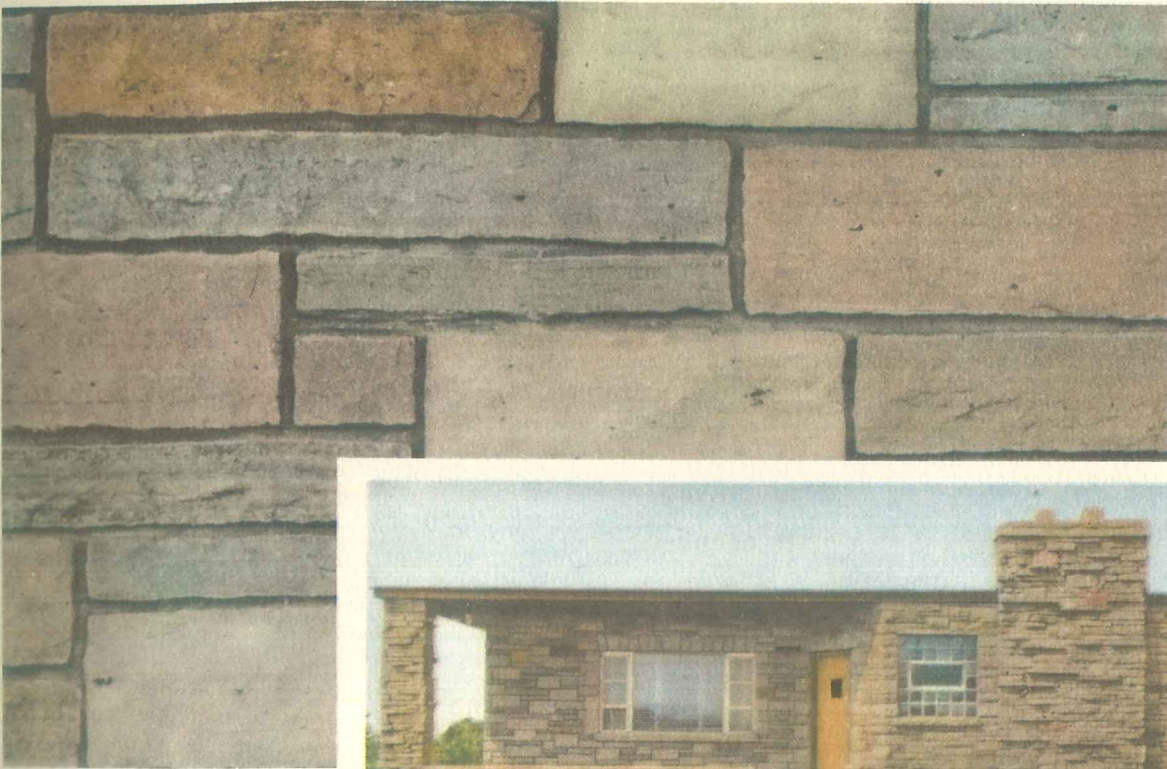
For additional information, see Texas Quarries Catalog in this section. $\left(\frac{3c}{Tex} \right)$



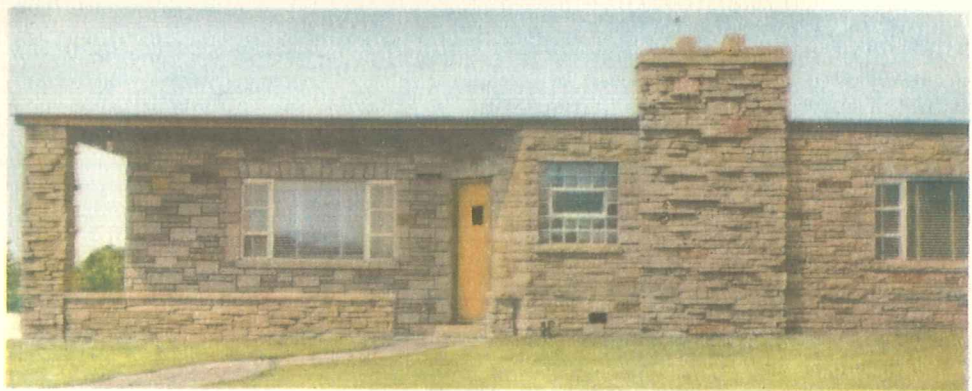
Santa Fe Railroad Station, Oklahoma City, Oklahoma. E. A. Harrison, System architect. Cordova Shell smooth machine finish, veneer, cut-ready-to-set.

fond du lac stone

($\frac{3c}{Int.}$)



Fond du Lac veneer stone set in 2" to 8" heights, random ashlar pattern, quarry run colors.



Office of the Fond du Lac Stone Co., Inc. F. J. Stepnoski & Son, architect. Chimney and pier, rustic seam face veneer, 2" to 7" heights. Low wall, weathered edge veneer, 2" to 5" heights. Balance, 4" Fond du Lac veneer stone, random ashlar 2" to 8" heights, quarry run colors.

Fond du Lac Stone is a Niagara limestone, quarried from naturally smooth beds in thicknesses from $\frac{1}{2}$ " to 18". When quarried, the colors showing in the broken edges are white, blue and gray, while surface colors include a percentage of browns, pink, rose, yellow and shades of gray, intermixed

with great warmth, so that this stone is frequently laid in combinations of rock, split and seam face, to take full advantage of this variety of color and texture. Another combination, particularly used for rustic homes and buildings, is that of seam face with weather edge, laid in a broken ashlar pattern.

In exterior construction, and in interior fireplaces and trims, Fond du Lac Stone is used largely as a veneer, in heights of 2" to 8" for residential construction and in proportionately higher heights for larger buildings. Its flagstone is amazingly smooth, and is furnished in uniform thicknesses of $\frac{1}{2}$ " to $2\frac{1}{2}$ ". Highly prized as a landscaping stone is the Fond du Lac weather edge, and a specialty of this quarry is dry wall stone for the construction of retaining walls.

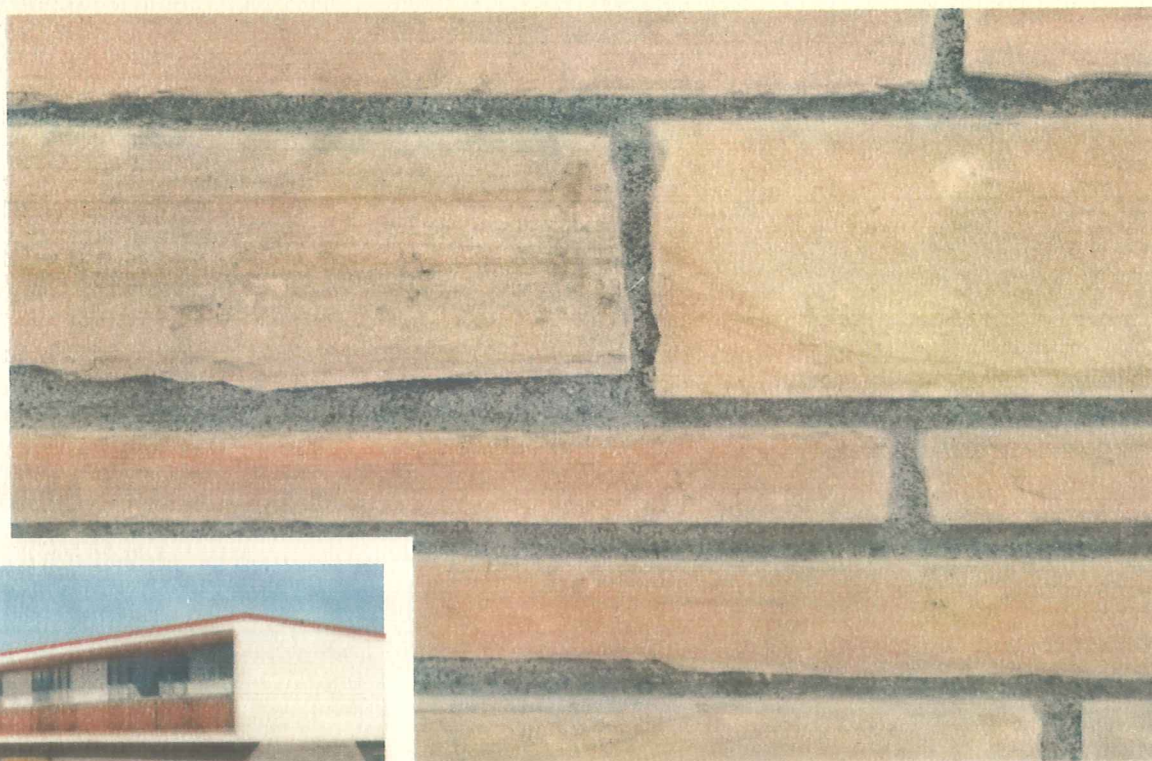


St. Paul's Lutheran Church, Fairmont, Minnesota. Frank Abrahamson, architect. Fond du Lac 4" veneer, 8" bond, 2" to 14" heights, random ashlar, white, yellow and grays.

FOND DU LAC STONE CO., INC.

Fond du Lac, Wisconsin

harmony ledgestone



Harmony Ledgestone, 1" to 5" heights, random lengths, coursed.



Pi Kappa Alpha Fraternity House, University of Texas, Austin. Ed Maurer, architect. Harmony Ledgestone, 1" to 4" heights, set random ashlar and coursed.

Harmony Ledgestone is an uncut, untooled, sandstone which is quarried in natural stratified heights from 1" to approximately 5", in lengths from 10" up, with many running 30" and beyond. It is broken to approximate wall widths by machine, and the broken face is straight enough to lay in the wall without additional work. This method preserves the beautiful irregularity of the stones' natural facings.

Harmony Ledgestone colors are soft—pinks, browns and grays beautifully blended together by nature, and are furnished only as run of the quarry in order to maintain this harmonious combination. Used for both interior and exterior purposes, this stone is equally adaptable to period and contemporary design, and is laid in straight courses or random patterns, or a combination of both. Special width stones for sills and coping are available in random lengths.

THE TEXAS LEDGE STONE COMPANY
Clarksville, Arkansas

Residence, Austin, Texas. E. N. Jones, designer and builder. Harmony Ledgestone in 1" to 5" heights, random ashlar with projecting stone.



indiana limestone

The history of the use of Indiana Limestone on this continent is a relatively short one, but during that time it has more than earned its name as "The Nation's Building Stone" by giving expression to the best aspirations of more architects, for more buildings, in a greater variety of uses, than any other stone in the history of the world.

There are good reasons for this extensive use of Indiana Limestone. In a sense, every characteristic which architect, engineer and builder could desire are united in this one stone. It is beautiful in color and texture, and it is extremely strong. It can be worked with great facility and in exacting detail, yet its durability gives permanent form to intricate carving. It is abundant and relatively easy to quarry, and for this reason economical. The size of blocks available is limited only by the ability of man and machine to handle them. It is fire-resistant, weather resistant, permanent. It is, without exaggeration, "The Nation's Building Stone."

It is, of course, impossible to fully describe the characteristics and advantages of Indiana Limestone in these pages. Further information and complete specifications will be provided by any of the companies listed here or elsewhere in the membership list.

THE BLOOMINGTON LIMESTONE CORPORATION
P. O. Box 44, Bloomington, Indiana

EMPIRE STONE COMPANY
P. O. Box 77, Bloomington, Indiana

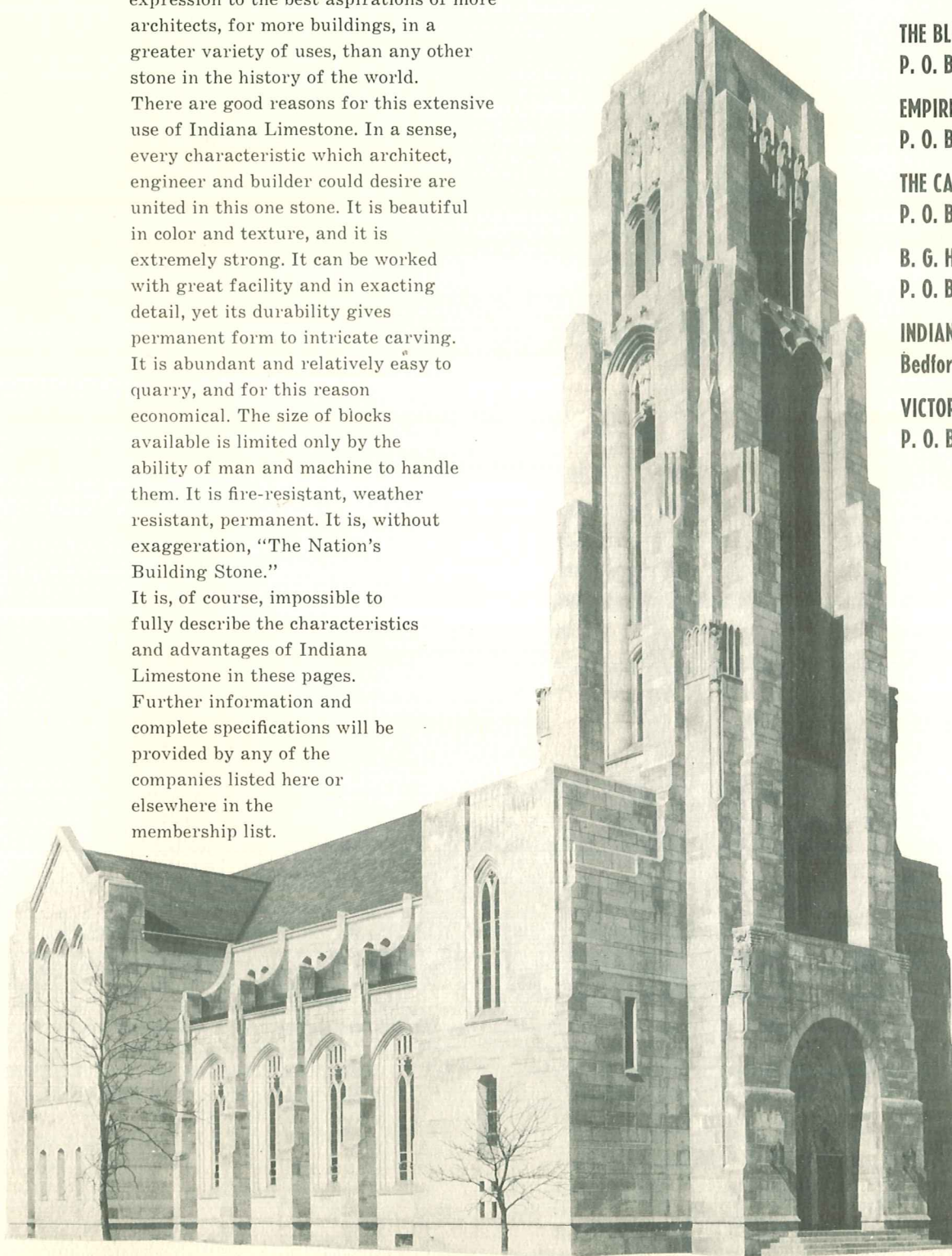
THE CARL FURST COMPANY
P. O. Box 469, Bedford, Indiana

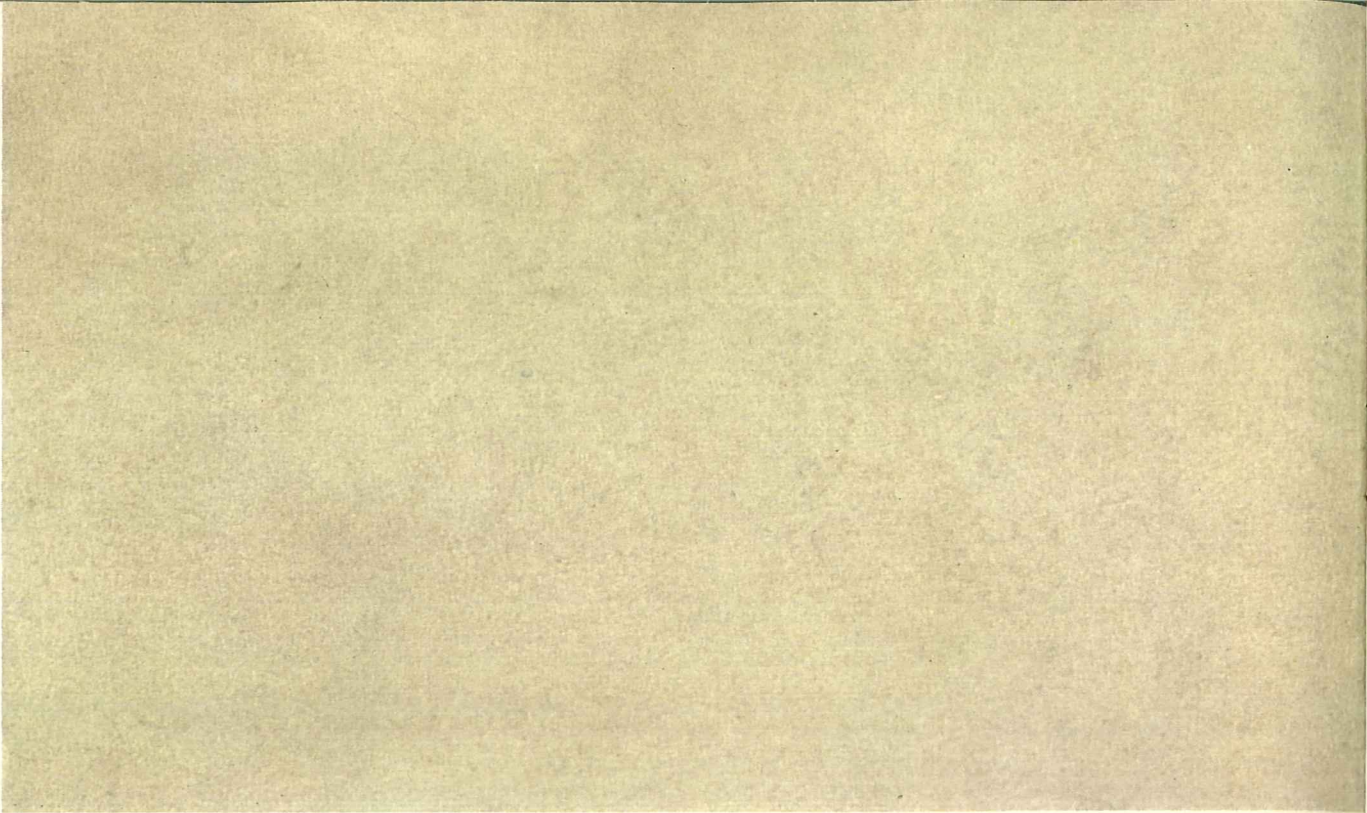
B. G. HOADLEY QUARRIES, INC.
P. O. Box 112, Bloomington, Indiana

INDIANA LIMESTONE COMPANY, INC.
Bedford, Indiana

VICTOR OOLITIC STONE COMPANY
P. O. Box 65, Bloomington, Indiana

*Grace Evangelical Lutheran Church, River Forest, Illinois.
Tallmage & Watson, architects.*

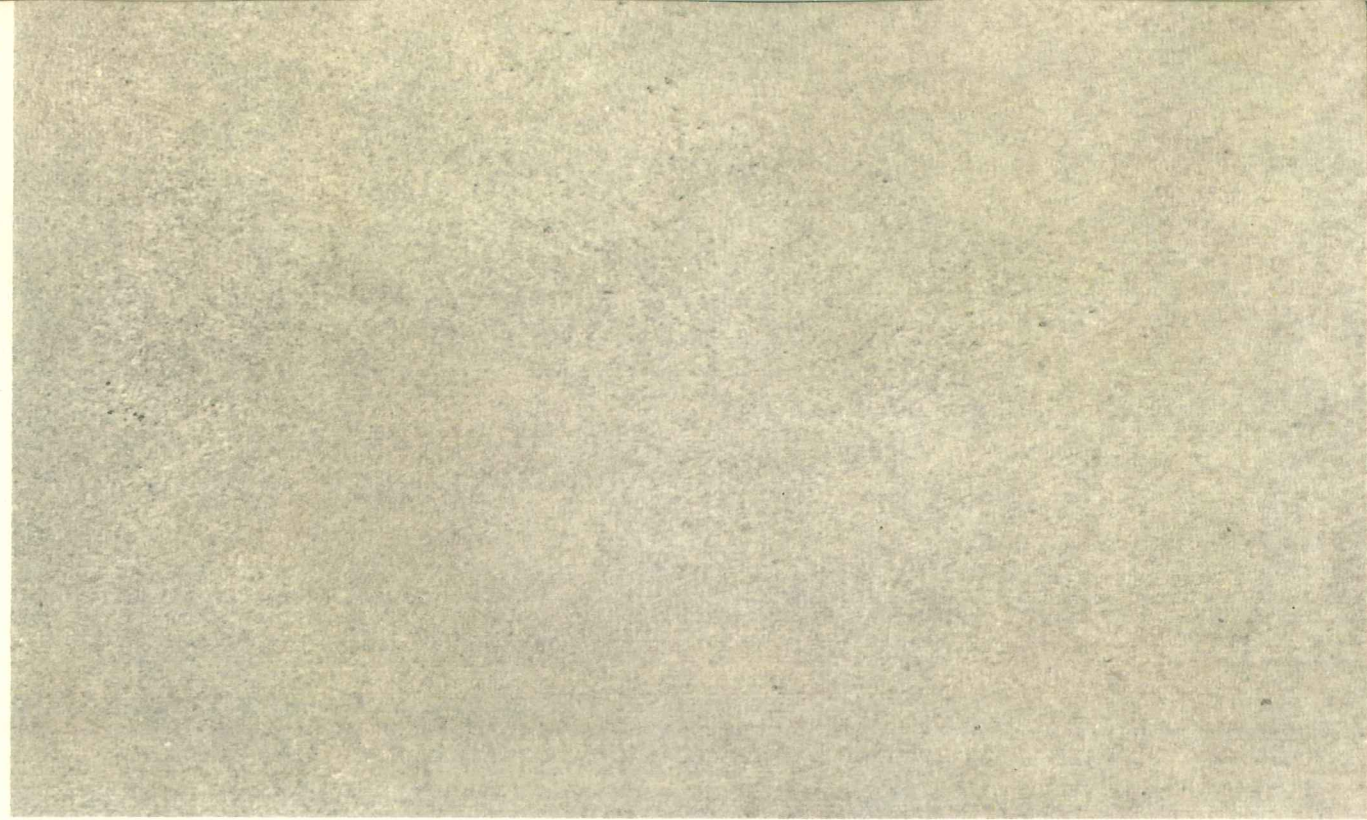




indiana limestone (buff)

There are three principal color variations found in Indiana Limestone: Buff, Gray and Variegated. The Buff variety may be fine grained, medium grained or coarse grained, known to the trade as select, standard and rustic. Each is structurally sound and extremely beautiful, weathering to a permanent, rich gray-yellow, with deep-colored irregular markings in the rustic. Modern architectural design has learned to take full advantage of these variations, particularly by the employment of the fine-textured stone for the lower part of a stone faced structure, and the medium and coarser grained stone for the upper part of a structure, maintaining color equilibrium as the building progresses in height, and at the same time effecting marked economy through the employment of less expensive but equally durable stone. In small buildings and private residences there is no limit to the design variety possible through a skillful blending of these types.





indiana limestone (gray)

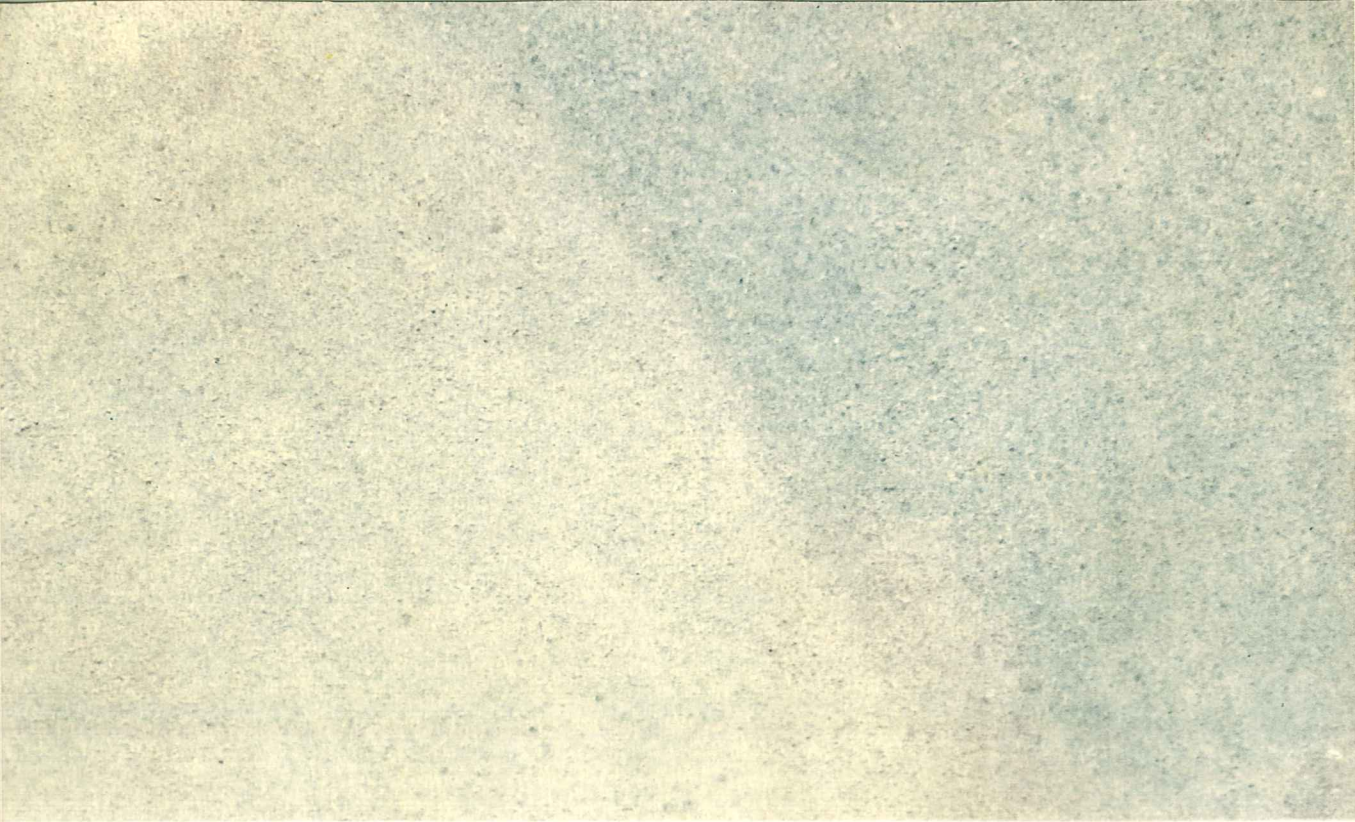
($\frac{3c}{Int.}$)

*Raymond Ingersoll Memorial Library, Brooklyn, New York.
Alfred M. Githens and Francis Keally, architects.*



While Buff Limestone, generally speaking, comes from the upper part of the quarry, the lower section as a rule provides the beautiful "Gray", sometimes called "blue" by the trade. When freshly quarried it is a rather dark bluish-gray, which changes on seasoning to a silvery, hazy gray, very beautiful and extremely popular. The indescribable softness of this color, a characteristic of all varieties of Indiana Limestone, gives it a wonderful depth of tone seldom found in other materials. Gray stone, like Buff, may be had in either fine, medium or coarse texture.

Used as a foil for the warm tone of the Buff varieties, the Gray shades are being very effectively used in modern construction, particularly in ashlar patterns.



indiana limestone (variegated)

Limestone of varied color-tones, called variegated, occurs in the quarry only where the buff stone joins the gray. The variegated is an irregular mixture, no two blocks being exactly alike, and in the finished work may consist of either all buff or all gray stone of varying texture, with some stone containing both color-tones on the one piece, thus producing a beautiful "vibrant" surface. It is remarkably effective in giving variety to rather plain or uninterrupted walls and producing matured effects in new buildings.

*Manhattanville College of the Sacred Heart, Purchase, New York.
Eggers and Higgins, architects.*





Indiana Limestone, Split Face

indiana limestone

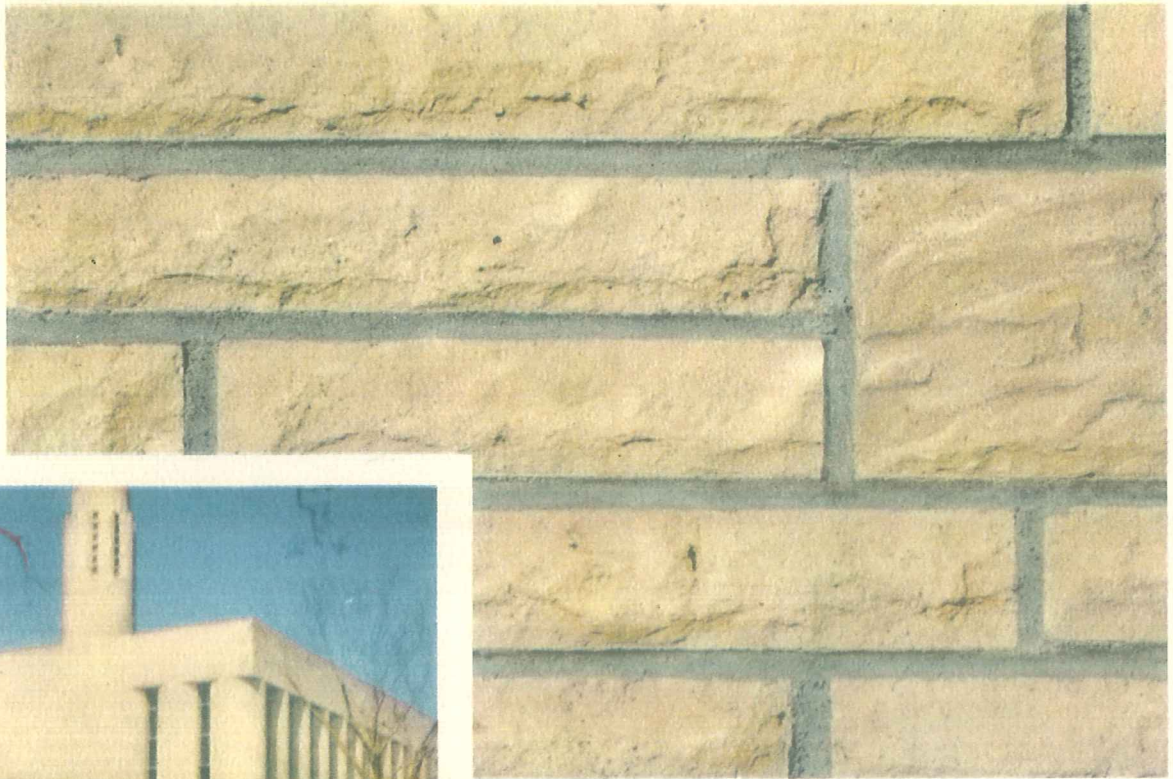
Indiana Limestone, Shot Sawed Finish



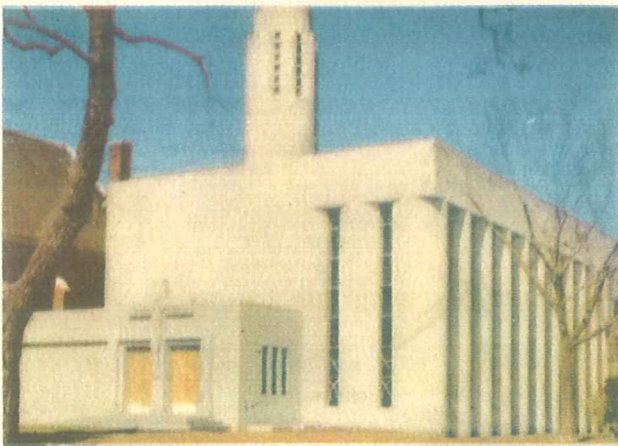
It is only within recent years that mass production techniques have been applied to natural stone. These new methods have been extremely successful in the fabrication of Indiana Limestone for veneer construction, both by reducing the cost to the point of economy, and by providing an extremely wide variety of soft color-tones and patterns, heretofore available only in more expensive construction.

Any homeowner who desires a substantial, beautiful, but medium priced home can afford Indiana Limestone veneer — the same stone used for thousands of monumental structures throughout the country. It is a permanent natural stone facing which so reduces maintenance costs that the savings it affords year after year will quickly repay manifold the initial cost.

junction city limestone

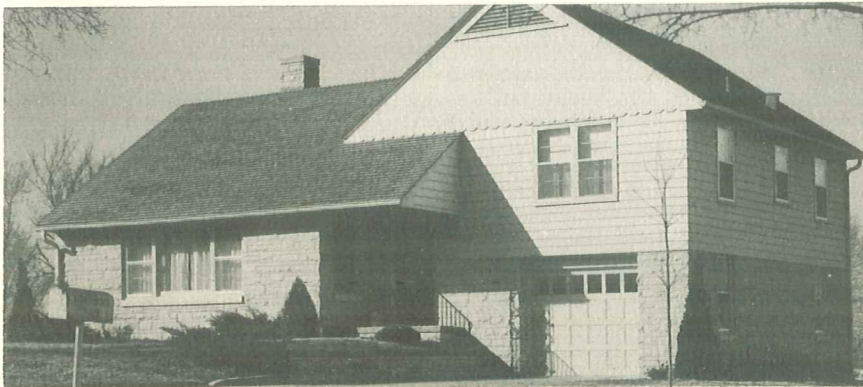


Pitched face Junction City Limestone veneer, course heights of 2 1/4" and 5", set two against one, ashlar pattern, squared ends.



Sacred Heart Cathedral, Salina, Kansas. Edward J. Schulte, Cincinnati, architect. Junction City Limestone, smooth finish. Outside veneer 3 3/4" thick. Interior veneer, 2 1/4" thick. There are twelve 30" by 28' round pillars inside the church, as well as the exterior pillars.

Residence, Junction City, Kansas. Morris Werner, architect. Pitched face Junction City Limestone veneer in 2 1/4", 5" and 7 3/4" course heights in random lengths.

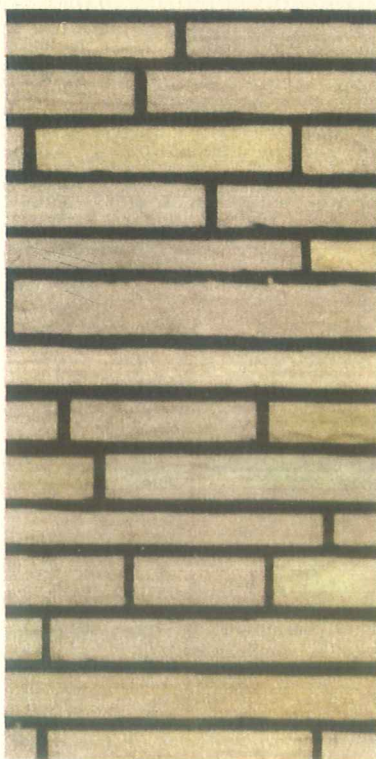


Junction City Limestone is produced from the lower portion of the strata geologically classified as the Fort Riley limestone ledge. In color it is a soft golden cream or light buff interestingly marked with slight shades of brown to orange. Deep textural pits add a fascinating play of light and shadow to the surface of the stone, whether it is produced as smooth face, pitched face or split face.

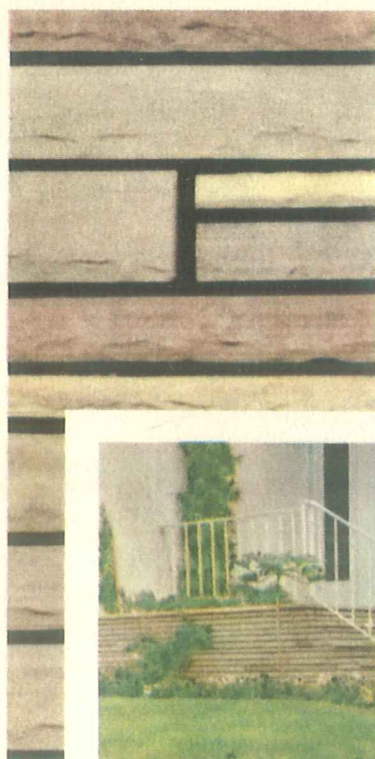
Because of its complete workability, its insulating qualities, its distinctive appearance, Junction City Limestone is used for both interior and exterior construction. This stone is soft enough to be cut with a carpenter's hand saw, yet it has stood extreme outside weathering for generations, and will not frost check or flake off even at the ground line. It is an interesting fact that it seems to make no difference whether this stone is laid on or off the natural bed. It weathers just as well one way as the other. Junction City Stone is used for cut stone trim as well as veneering.

WALKER CUT STONE COMPANY
P. O. Box 269, Junction City, Kansas

kaibab stone



Left: Kaibab Arizona Stone, thin strips, $\frac{3}{4}$ " to $1\frac{3}{4}$ " heights, random lengths coursed.



Center: Kaibab Arizona Stone, thin strips, $\frac{3}{4}$ " to $1\frac{3}{4}$ " heights, heavy strips, 1" to 3" heights, building stone, 3" to 6" heights, random ashlar pattern.



Right: Kaibab Neva Stone, strips, 1" to 3" heights, building stone, 3" to 6" heights, random ashlar.



This entrance illustrates the use of Kaibab Arizona thin strips, $\frac{3}{4}$ " to $1\frac{3}{4}$ " heights, both for the retaining walls and the house veneer; Kaibab Arizona Flagstone sheets in the walks; Kaibab Arizona Dimensional Cut Stone for the treads and coping.



Kaibab Stone is an exceptionally high grade silica sandstone, quarried in Arizona and Nevada. The name is Paiute and means "mountain lying down," an apt description of the stratified formations of this stone. Kaibab building stone is quarried in 1" to 8" heights, in random lengths from 12" to 50", but can be provided in any dimension up to transportation limits. Kaibab flagstone is provided in random or specified sizes, in multicolor tones or monotone.

Here are the colors of the Grand Canyon: soft shades of buff, buckskin, red, yellow, tan, pink, and purple, and its texture is enhanced by the preservation in certain of its layers of the footprints of ancient reptiles.

Kaibab Stone is extensively used for both interior and exterior construction, its durability and permanence making it a favorite stone for exterior walls, fireplaces, landscaping, its warm beauty the reason for its use in interior walls, fireplaces, flooring.

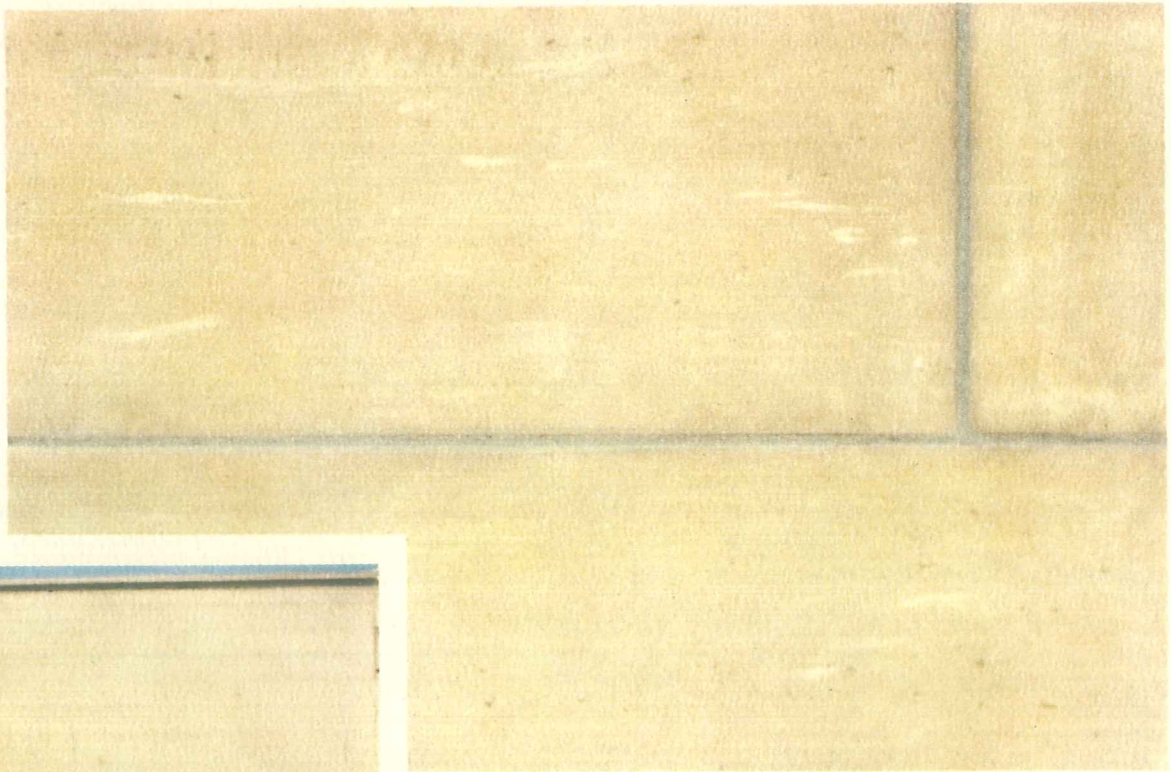
WESTERN STATES STONE COMPANY

Los Angeles, Santa Clara and Oakland, California.

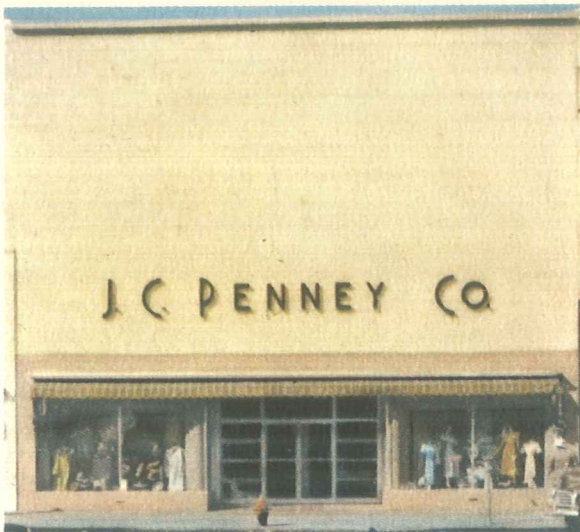
Quarries: Ashfork, Arizona. Jean, Nevada



kasota cream stone



Kasota Cream Stone, machine smooth finish.



J. C. Penney Building. J. C. Penney Construction Department, architects. Kasota Cream Stone, machine smooth finish.



Burdine's Department Store, Miami, Florida. E. L. Robertson and John Weber, architects. Kasota Cream Stone facing, machine smooth finish.

Kasota Cream Stone is a dolomitic limestone of fine, uniform texture and remarkable hardness. It occurs in thick ledges and can be quarried and fabricated to any practical size, and is usually cut to architect's specifications, with exposed surfaces machine or sand rubbed.

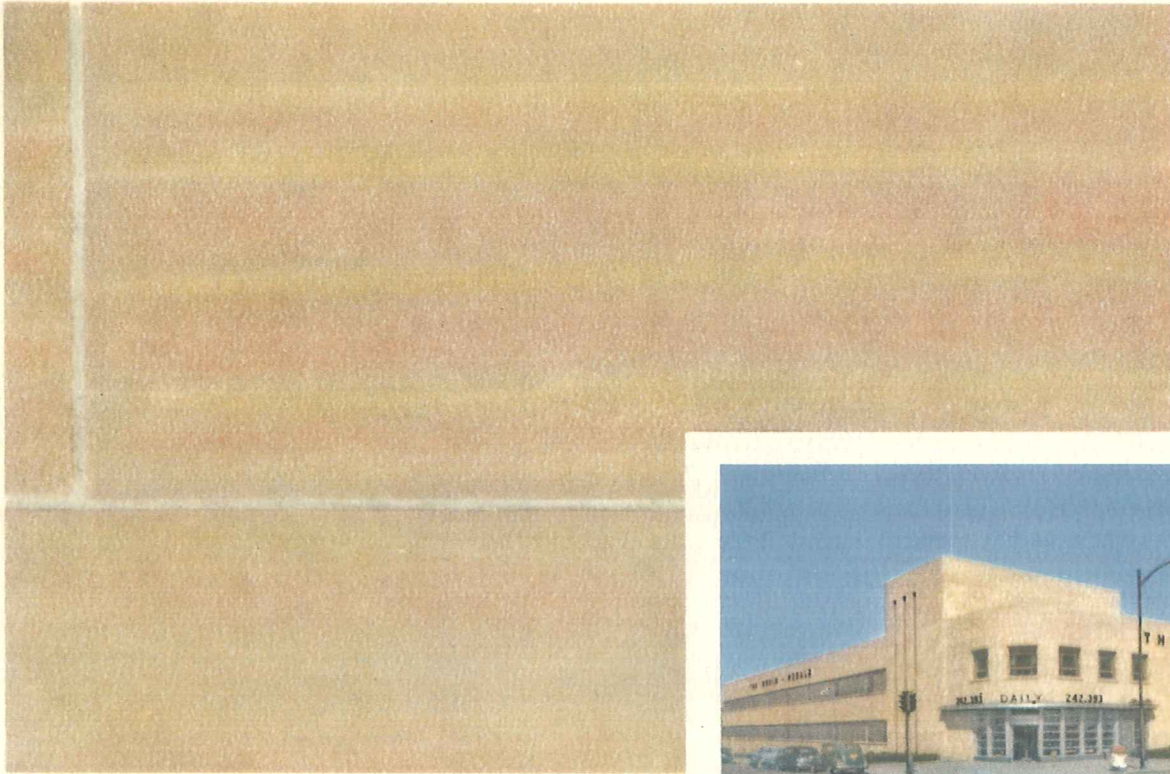
This distinguished stone, with its color ranging from deep to pale ivory, texturally marbled with touches of white, was the choice for Burdine's Department Store at Miami, Florida, and for the Receiving Building of the Minnesota State Hospital at St. Peter — demonstrating its enduring resistance to climatic conditions.

Kasota Stone is also produced as a split face ashlar and is usually furnished in a mixture of approximately 40% Pink and 60% Cream, in heights from 2 $\frac{1}{4}$ " to 7 $\frac{3}{4}$ " for residential construction, and up to 10 $\frac{1}{2}$ " for larger wall areas.

THE BABCOCK COMPANY
Kasota, Minnesota



kasota pink stone



Kasota Pink Stone, machine smooth finish.



World Herald Building, Omaha, Nebraska. Leo O. Daly Associates, architects. Kasota Pink in machine smooth finish, set in 2-2" and 3-0" heights, illustrating the facility with which this stone may be cut for a curved area.

Kasota Pink, like Kasota Cream, is a dolomitic limestone, fine of texture and remarkably hard and enduring. It is perfectly adapted to economical machine production of thin-slab or traditional facings, as well as to the most intricate detail and carving. Indeed, the only difference between Kasota Cream and Kasota Pink is one of color, and the range of this unusual pink vein limestone runs from light to dark.

The decorative possibilities of Kasota Pink are so dramatic that architect Frank Lloyd Wright chose this stone as the trim for the famous "Heliolab" he designed for S. C. Johnson & Son, Inc. at Racine, Wisconsin.

Kasota Stone is also furnished in flagstone, usually in the same color proportion as split face ashlar — approximately 40% Pink and 60% Cream — sawed two-sides to a specified thickness and broken out to irregular shapes or as rough-back flagging, sawed one face, varying in thickness up to approximately 3½", broken out to irregular shapes.

THE BABCOCK COMPANY Kasota, Minnesota



Foley's, Houston, Texas. Kenneth Franzheim, architect. Kasota Pink Stone set in 1-1" and 3-4" heights, in a machine smooth finish.



lannon stone (CONCO)



Conco Lannon Stone veneer 2" to 10" heights, rock face, split face, bed face, random ashlar.

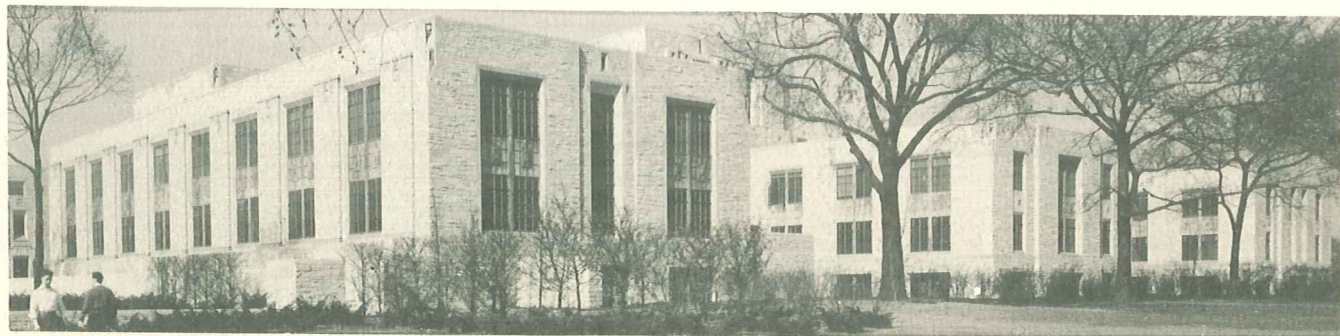


*St. John Evangelical Lutheran Church, Lannon, Wisconsin.
Alfred H. Siewert, architect.*

Conco Lannon Stone is a fine grained dolomitic limestone, an outcropping of the great Niagara Ledge. Its colors are generally soft — warm putty grays, ivories, and buffs, with occasional brilliant touches of copper. Its textural range is wide — from smooth split faces to deep pitted strongly hued bed faces, and includes rock faced stones with heavy projections, angular shaped seam faced stones and many distinct bed face textures such as smooth and light pitted.

This variation in texture creates shadowy effects, constantly changing as the light of the day changes, adding an unusual charm to the structure built with Conco Lannon Stone. As a facing stone, Conco Lannon is available in many blends, to suit different types of architecture — Ranch, Cotswold, Early American, English, etc., and each of these divide again into residential, institutional, or commercial blends. Conco Lannon is also available in flagging and landscaping stones, and for sills, copings, steps, etc.

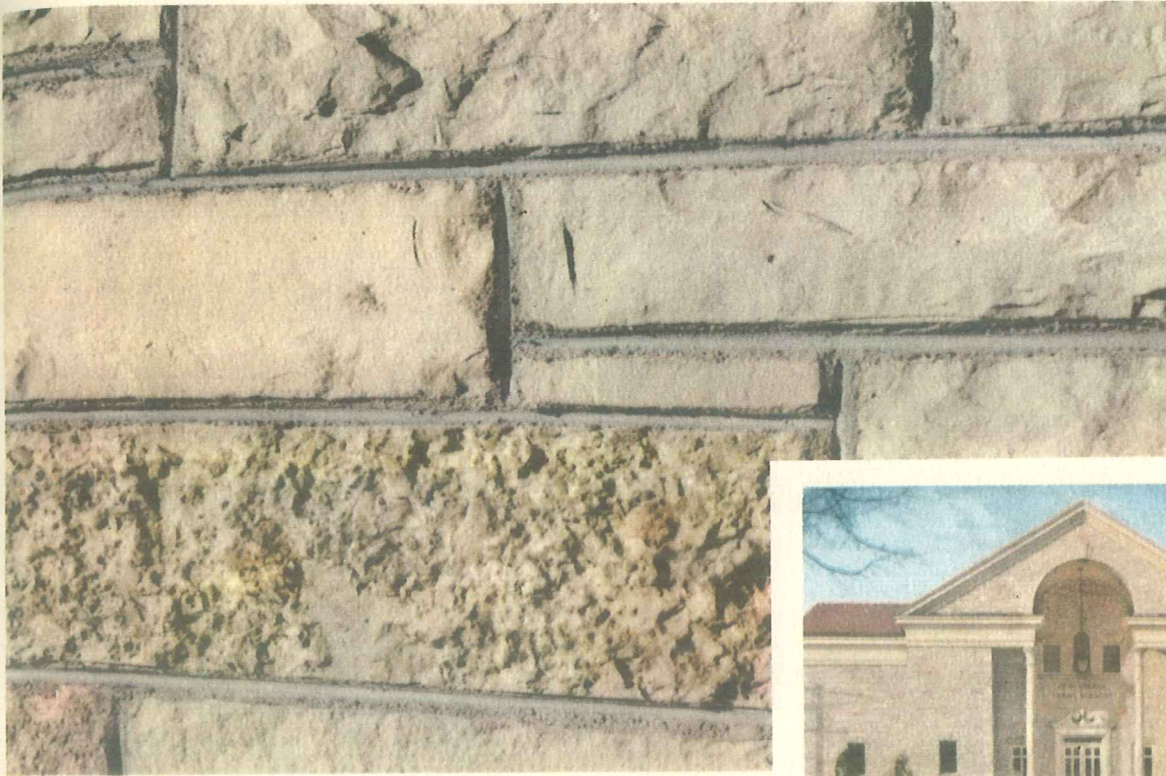
CONCO LANNON QUARRY Lannon, Wisconsin. Offices: Chicago and Mendota, Illinois.



Technological Building, Northwestern U. Holabird & Root & Burgee, architects. Conco Lannon Stone, 2" to 14" heights, mixture of split, rock, bed and seam faces, Institutional Blend. Hedrich-Blessing Photo.

(HALQUIST) **lannon stone**

3c
Int.



Halquist Lannon Stone, 2" to 8" heights, split face and bed face in random ashlar.

Halquist Lannon Stone is an outcropping of the great Niagara vein of limestone. The base color of the open face stone is an almost-white to cream, the discolorations ranging from buff to deep rust, intermingled with grays to blues. It is found near the surface of the ground in even layers of clear stone, so is quarried with little difficulty or waste, at a minimum cost. Thus it becomes very economical for all building purposes. The rated strength of this sedimentary stone is among the highest obtained for limestone.

A typical blend of Halquist Lannon Stone for residential, church and commercial buildings, is 10% seam face, 15% pitted bed face, 5% smooth bed face, 70% split and rock face. Halquist Lannon Stone is also used for fireplaces, copings, steps, arches, sills, and in landscaping for walks, walls, pools, fireplaces.

HALQUIST LANNON STONE CO., Sussex, Wisconsin



Fifth Church of Christ Scientist, Milwaukee, Wisconsin. Hugo C. Haeuser, architect. Halquist Lannon Stone veneer, 2" to 10" heights, 5% seam face, 10% pitted bed face; balance, split and rock face.



Residence, Milwaukee, Wisconsin. Edmund J. Schrang, architect. Halquist Lannon Stone veneer, 2" to 8" heights, 5% seam face, 20% bed face, 75% split and rock face.

lenroc stone



Lenroc sawed bed ashlar showing color range and typical coursing of standard 2 1/4\", 5\" & 7 3/4\" face heights; lengths random from 8\" to 48\".



Moakley House, Cornell University, Ithaca, New York. Carl C. and Robert B. Tallman, architects. Lenroc sawed bed ashlar 3 1/2\"/>

Anabel Taylor Hall, Cornell University, Ithaca, New York. Starrett, Van Vleck & Marsh, architects, Eggers & Higgins, consultants. All New York City. Lenroc Seam Face.



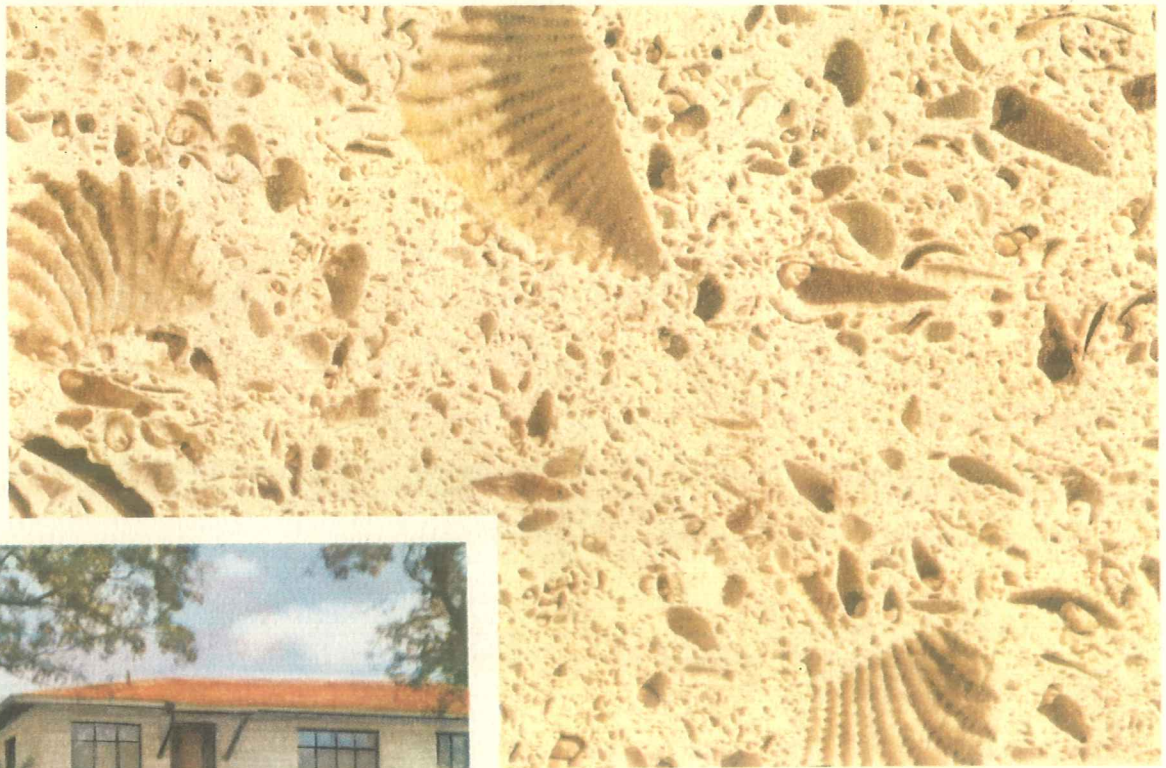
Lenroc Stone is a New York silica-blue-sandstone that contains iron oxides which take on added color when exposed to atmosphere. A fine, close grain gives it low water absorption. It does not discolor or stain with age. The colors of Lenroc Stone are distinctively warm and rich, ranging from blue-gray through brown and rusk. The variegated colors become richer as the stone ages. Lenroc Stone, from which many famous buildings at Cornell University have been built, is especially attractive for interior and exterior walls, fireplaces, decorative panels, and for landscaping features.

Lenroc sawed bed ashlar will cost approximately the same as tapestry-face brick. There are enough natural ends to make jambs and corners without cutting. Waste is less than 2%. In a typical specification, face-heights are: 15%-2 1/4\"; 50%-5\"; 35%-7 3/4\"; widths are held to 3 1/2\" maximum. Other veneer widths as specified, bond stones as desired; random lengths from 8\" to 48\"; approximately 40% natural seam faces.

Lenroc Stone is also available as seam face load bearing stone 8\" or thicker with 100% natural seam faces; dimension stone cut to architectural specification; rock face for retaining walls and other rustic surfaces; and flagstone.

FINGER LAKES STONE CO., INC. Ithaca, New York

liberty hill limestone



Liberty Hill Golden Shell, sawed face.



Residence, Olmos Park, Texas. Keith Maxwell, designer. Liberty Hill Cream Limestone.

Golden Shell Limestone Cream Limestone

— both furnished in sawed face, split face or mill blocks to meet any specifications.

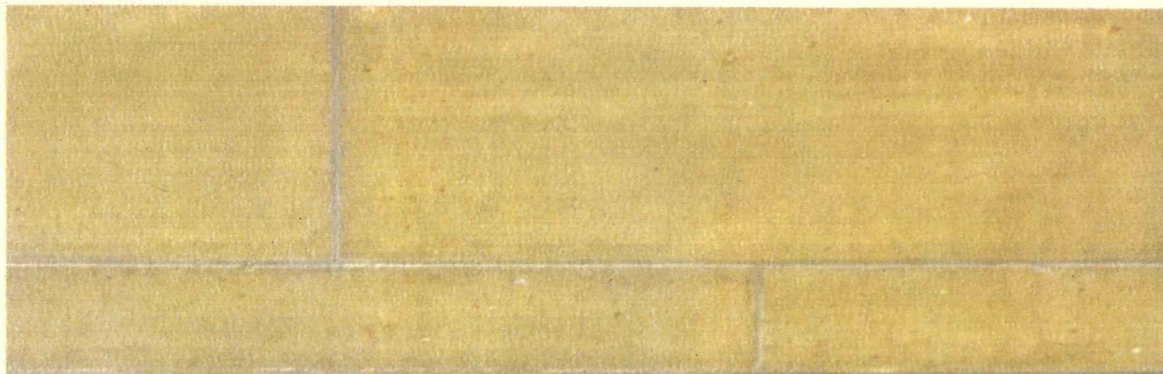
These two Texas limestones hold true colors throughout the quarry's holdings. The golden shell stone is rough textured and patterned with gold and white shell impressions and 200 million-year-old sea fossils. The cream limestone is medium textured with a true creamy color. Both limestones are used with striking elegance and distinction for interiors and exteriors of residences and commercial and institutional buildings. Complete reports of chemical composition and physical characteristics as found by Southwest Research Laboratory are available upon request from the quarry.

SAN-TEX STONE QUARRY, INC., Office: 4130 Broadway, San Antonio, Texas Quarry and Mill: Liberty Hill, Texas

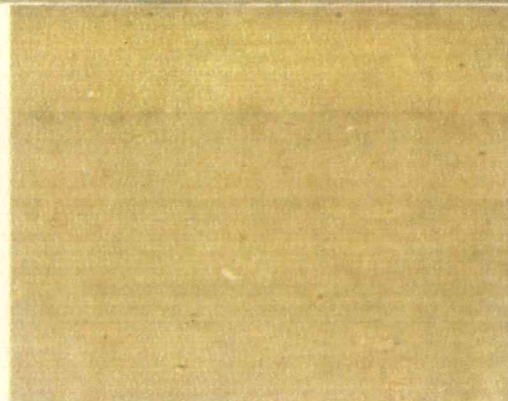


Section of 41-building Sunset Ridge Apartments, San Antonio. W. W. VanDer Heck, architect. Liberty Hill Cream Limestone, split face, 3-unit ashlar.

mankato stone



St. John the Baptist School, Mankato, Minnesota. Allen J. Ross & Associates, architects. Mankato Stone in a split face veneer trimmed with Mankato Gray.

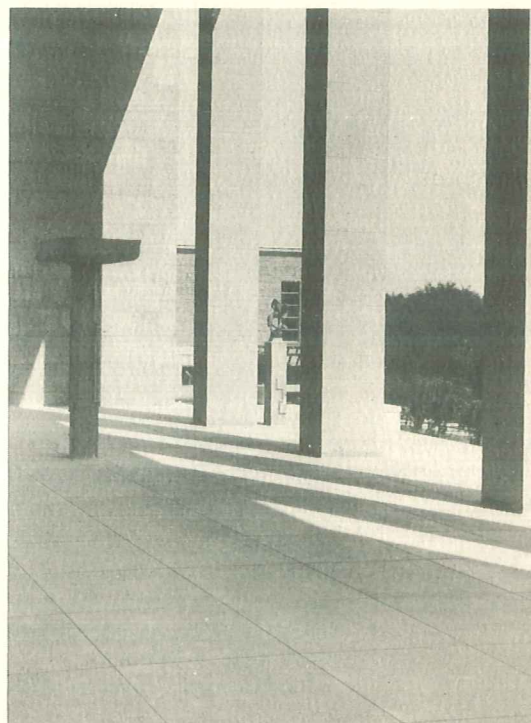


Mankato Buff, machine smooth, formal ashlar.

Mankato Stone is a dolomitic limestone, low in absorption, high in resistance to stain or soiling, quarried from deep ledge formations in sheets which differ in color and texture. The Buff, coarse-textured and shading from gray-buff to golden, is a massive and strong stone. The Gray, shading from silvery to buff, and weathering to a soft ivory, has a travertine-like texture and is especially suited to exposed areas subjected to hard use. The Cream is a fine-textured close-grained stone, ranging in color from variegated to a light tan, excellent for both exterior and interior use and for statuary, for it may be given a high polish. The Pink is a travertine stone, best suited to random ashlar work in split-face or sawed-face.

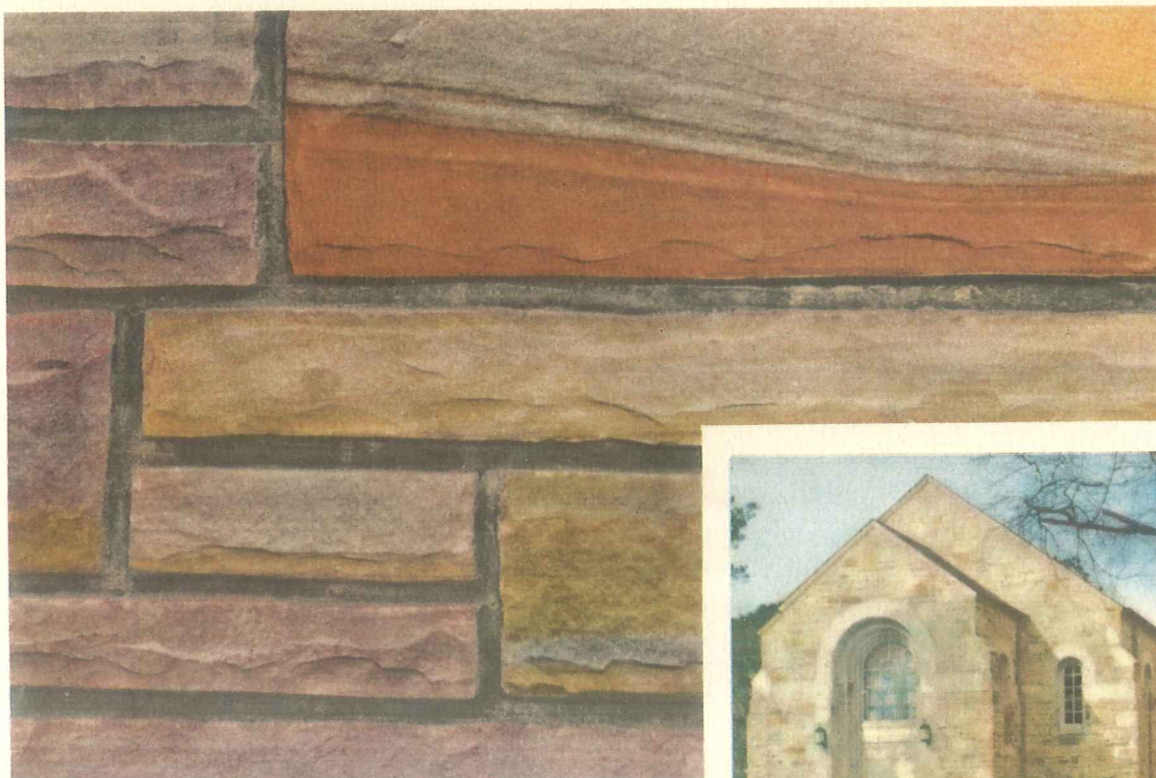
Mankato Stone, which can be supplied in large sizes, cut to architectural specifications, or in split face, has proved extremely adaptable to the most functional of modern architectural designs, for its color adds warmth and its texture great interest to angular lines and flat wall surfaces.

MANKATO STONE CO.
Mankato, Minnesota



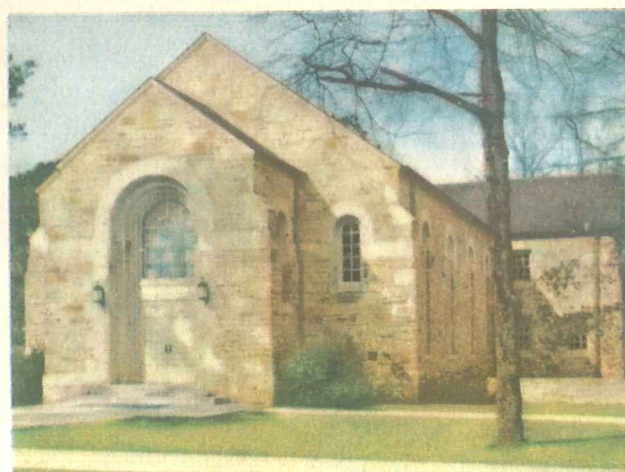
Detail, Library Museum, Cranbrook Academy of Art, Bloomfield Hills, Michigan. Saarinen and Saarinen, architects. Mankato Buff walls, pillars; Mankato Gray floor.

oneonta stone



Oneonta Stone veneer, 1" to 8" wall heights, random lengths.

Residence, Birmingham, Alabama. Oneonta split face set 1" to 8" in full range of color (about 80% pink) with Oneonta flagstone stairs.



Trinity Methodist Church, Birmingham, Alabama. Warren-Knight & Davis, architects. Oneonta split face, 70% pink, 15% seam face, 15% buff, set 2" to 12". Alabama limestone trim.

Oneonta Stone is an Alabama quartzite, prized for the unusual amount of pink. This always rare color in stone is actually the dominant color in this quarry, where it is blended with browns, buffs and whites and has the further distinction of being a non-fading pink.

Oneonta Stone is quarried in variegated strata ranging in thickness from $\frac{1}{2}$ " to 16". For exterior or interior walls it is roughly broken to the width of $3\frac{1}{2}$ " to 5", in thicknesses from 1" up. Lengths will run from 6" to whatever the quarry can produce. Flagging for interior and exterior use is available in thicknesses from $\frac{1}{2}$ " to $3\frac{1}{2}$ ", and squared flagging, for which the smoothest and most colorful strata are selected come in squares from one to three feet. Oneonta Stone is also used for fireplaces, coping, sills, steps, lintels — and for tables and benches because of its unusual color and smoothness.

H. H. GARNER STONE COMPANY

Route 5, Box 880, Birmingham 6, Alabama

Oneonta Stone

REG. T. M. U. S. PAT. OFF.

pearl sandstone



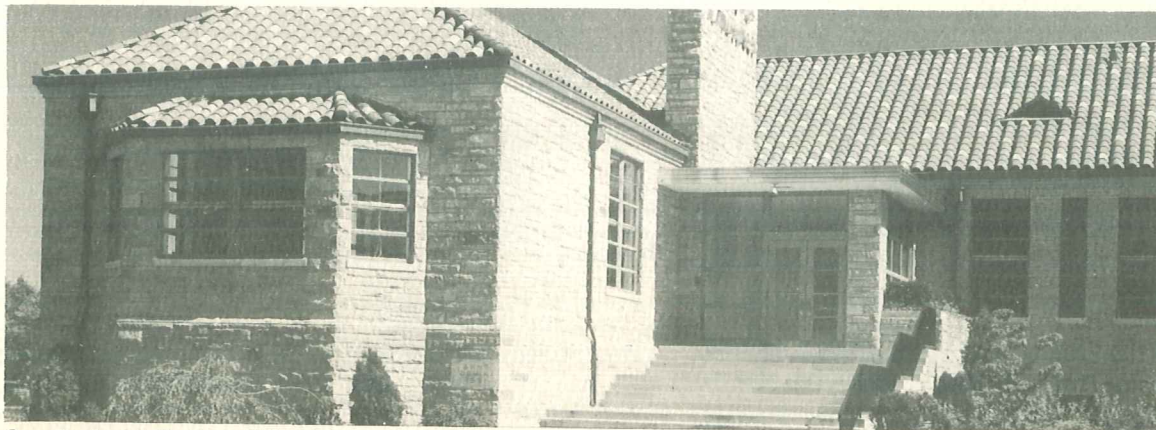
Pearl Sandstone, split face ashlar veneer, 2¼", 5", 7¾" heights, random lengths.



Fireplace, Pearl Sandstone split face ashlar, 2¼", 5" and 7¾" heights. Rare example of petrified bamboo in stone placed above opening.

Pearl Sandstone is a siliceous sandstone which is very highly colored and durable. A characteristic of this stone is its wide range of colors and sharp color markings in rich browns, soft grays and buffs, shading into complimentary pinks. Because it has been found that the natural range of color in this sandstone produces the most attractive wall, it is furnished only in the full quarry range. Pearl Sandstone is produced for the most part in split face ashlar veneer, in the nominal width of

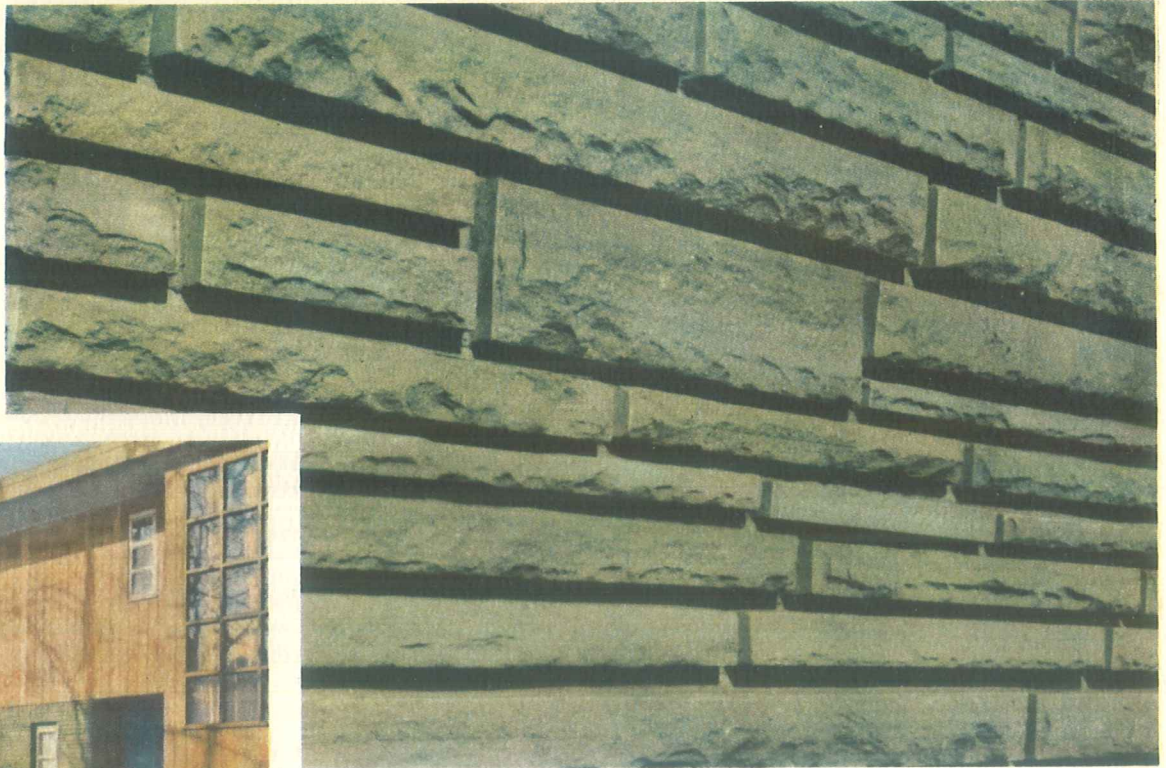
3½", and in heights of 2¼", 5" and 7¾". For larger constructions, 10½" heights and 8" wide bond stone are furnished. Lengths in random ashlar run from 12" to 40". Shot sawn and sand sawn finishes are available on request. Pearl Sandstone is much in demand for both residential and commercial structures, as well as for schools and churches. It may be used for both exterior and interior walls and for both indoor mantels and out-of-door fireplaces.



Our Lady of Fatima School, Fort Lee, New Jersey. Ricker & Axt, architects. Pearl Sandstone, split face ashlar veneer, 2¼", 5" and 7¾" heights, random lengths.

PEARL SANDSTONE CO.
R.F.D. #3, Fresno, Ohio

penn-kress stone



Penn-Kress split face veneer 1" to 6" heights, 1' to 4' lengths, ashlar.



Penn-Kress split face veneer, 1" to 6" heights, 1' to 4' lengths, ashlar.

Penn-Kress Stone is a Pennsylvania quartzite quarried in the Alleghenies, a stone low in water absorption, with a natural cleft texture, hardness, and a non-slip surface, which makes it most suitable for walks and steps. Unusual are its color-soft shades of green, gray and purple — and as flagstone or split face veneer it can be furnished in run of quarry, or in any one of the three colors.

Penn-Kress flagstone is produced in 1" to 3" thicknesses, in irregular, semi-irregular and random rectangular, or cut to specific pattern for interior floors, hallways, corridors, walks, terraces, and for copings and step treads. Penn-Kress natural cleft veneer stone is machine-split in course heights from 1" to 6", and in lengths from 1' to 4', to be laid on its natural bed, and is used for both exterior and interior walls, in residential structures, churches, commercial buildings — frequently in combination with the flagstone.

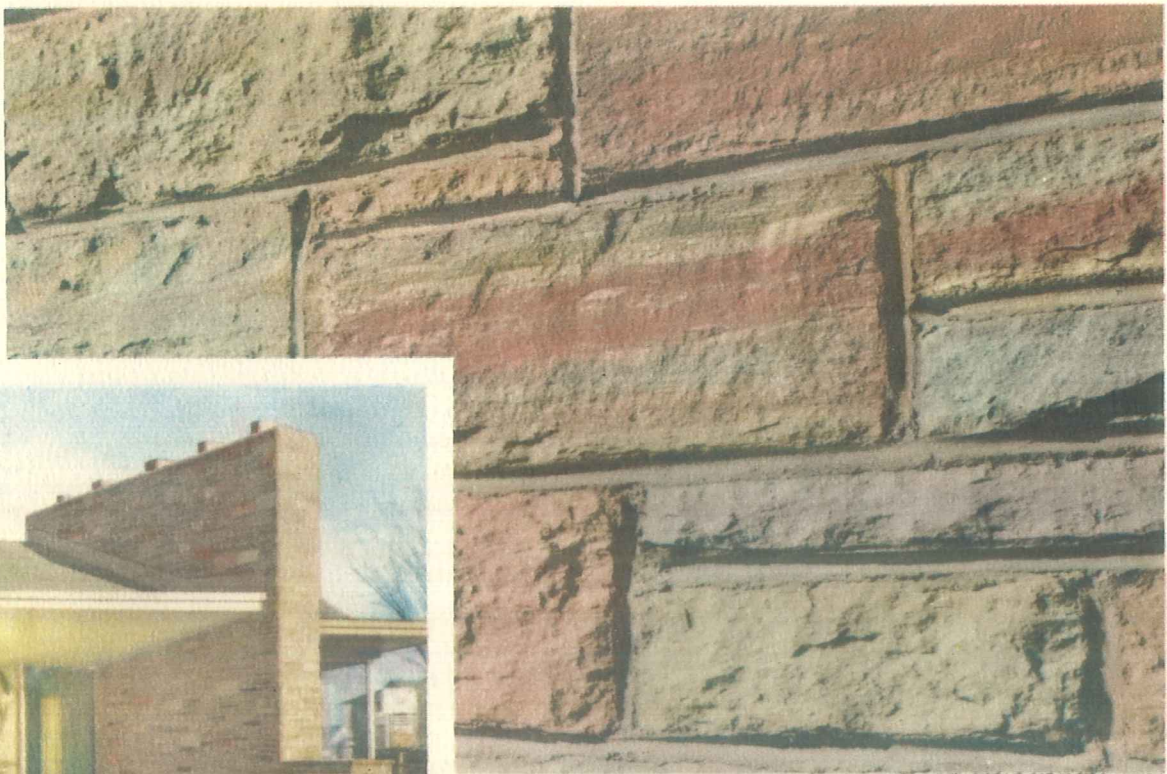
PENN-KRESS FLAGSTONE CO.

Bridge Street, Millvale, Pittsburgh 9, Pennsylvania

Penn-Kress split face veneer, random lengths, ashlar.



sunset stone



Sunset Stone, split face 2" to 8", random ashlar.



Residence, Milwaukee, Wisconsin. Edmund J. Schrang, architect. Sunset Stone veneer, 2" to 8" heights, split face, random ashlar.

Sunset Stone is a rare and unusual limestone, and is believed limited to the Burlington Quarries. Unlike any other limestone, Sunset Stone is quarried in all the gorgeous and delicate colorings of the most dramatic sunset — a harmonious blending of reds, blues, grays, greens, yellows and browns. These colors permeate the entire bed, and neither time nor weather can erase the rich, rare beauty of this stone.

Sunset Stone veneer is handcut into rectangular pieces averaging 4" in thickness, in heights ranging from 2" to 8", and lengths averaging two to three times the individual heights. When the stone is laid up in a wall, a most attractive random ashlar pattern is achieved. Other uses of Sunset Stone include entrances, copings, sills, and sawed tiling for beautiful walls and floors.

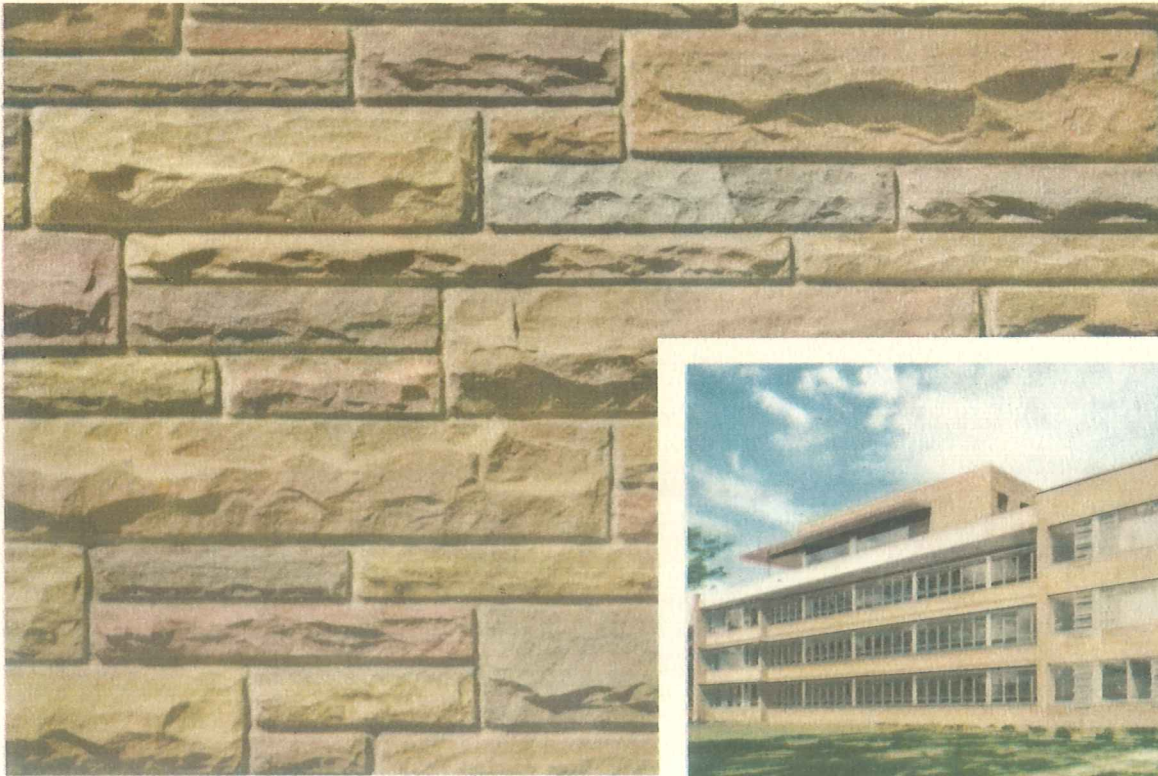


**BURLINGTON QUARRIES CORPORATION,
Burlington, Wisconsin**

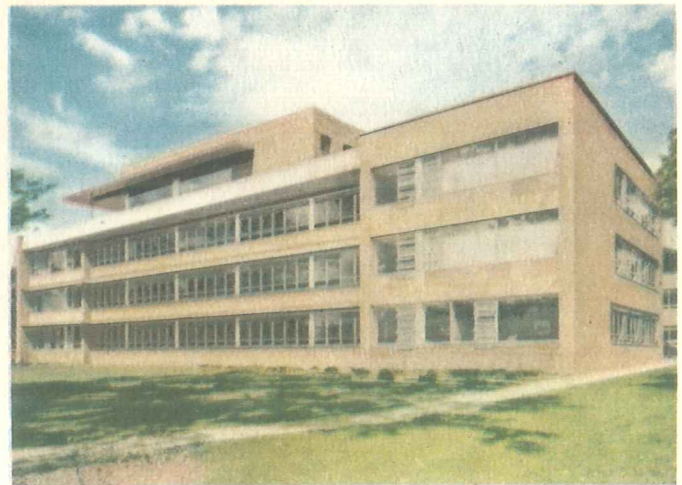
(TENNESSEE STONE)

crab orchard stone

($\frac{3c}{Int.}$)



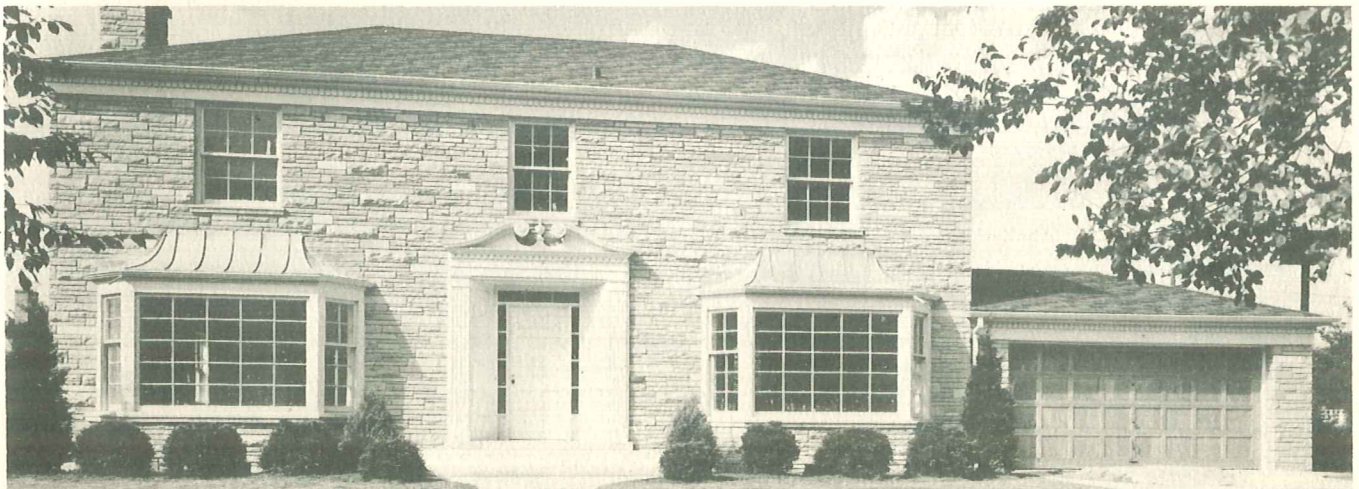
For additional information, see
Crab Orchard catalog in this section ($\frac{3c}{Cr}$)



UAW-CIO Building, Detroit, Michigan. Hugh T. Millar, architect. Certificate Crab Orchard Stone in strata face ashlar and split face, or strip rubble, wall.

Certificate Crab Orchard Stone is a quartzite, of extreme hardness and durability; fine grained, dense, non-slippery even when wet, and beautifully colored. It lies in separate strata, usually from $\frac{3}{8}$ " to 6" thick, with a few ledges ranging from 6" to 12".

The rich autumnal colors, the pleasing textures and softly etched patterns add richness and warmth wherever they appear — for roofing, flagging, treads, coping, wainscot, exterior and interior wall surfaces, floors, fireplaces, decorative panels, and in landscaping.

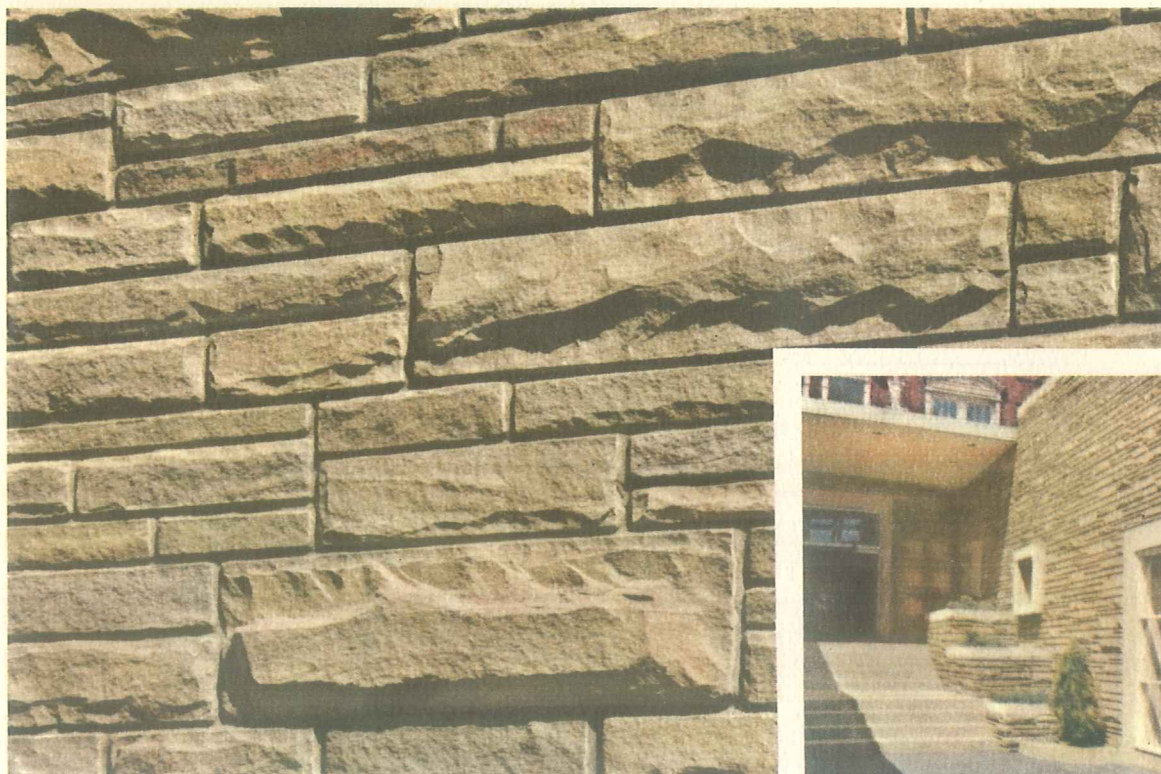


Residence, Lincolnwood, Illinois. Harold A. Stahl, Chicago, architect. Certificate Crab Orchard Stone in pitched face rubble. Photograph by Hedrich-Blessing

CRAB ORCHARD STONE CO., INC., Crossville, Tennessee

GENUINE
Certificate Crab Orchard
STONE
REGISTERED TRADEMARK No. 299322

tennessee variegated (TENNESSEE STONE)



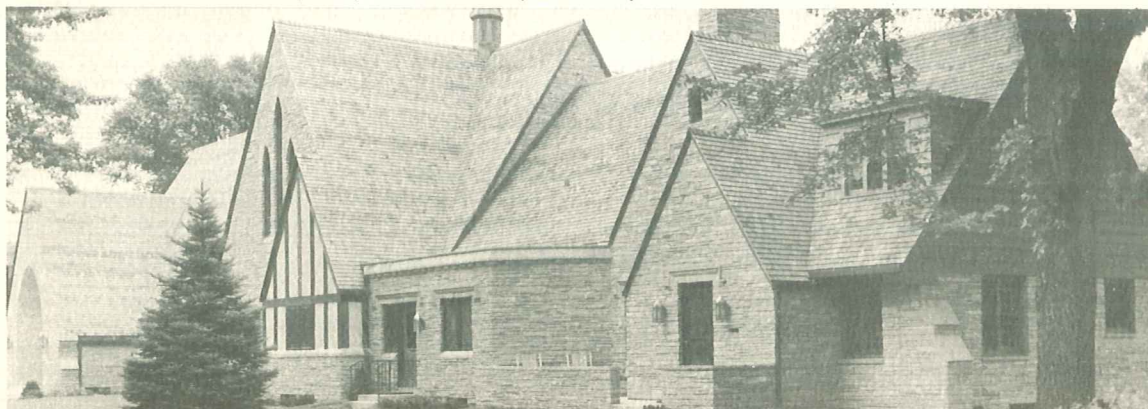
Fairmont Hotel, St. Louis, Missouri. Shapiro & Tisdale, architects. Tennessee Variegated random ashlar.



Tennessee Variegated is a quartzite from the Crab Orchard District, of extreme hardness and durability, ranking high as a building stone because of its strength and imperviousness. A decided feature is its beautiful range of colors: tan, buff, gray, and blue-gray, with blending shades of yellow, brown, mauve, red and pink forming swirls and stripes in an infinite variety of designs. It is produced in all sizes up to the limits of transportation from beds ranging less than a half-inch up to eight inches in thickness, though some ledges reach as much as twenty-two inches.

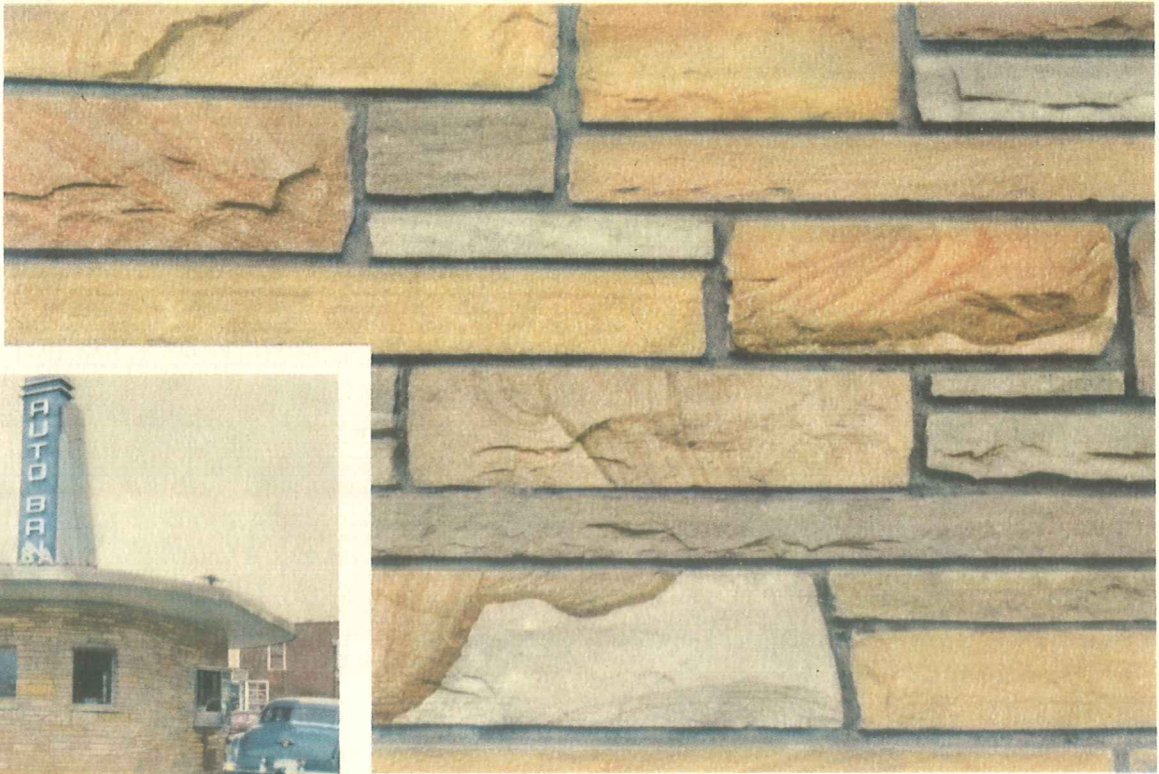
The color and texture of this stone adds immeasurably to the distinction of a building. It is immune to acid conditions and weathering, will not erode, color will not fade or change. It is the most colorful and durable material for exterior walls; it is also used extensively in both interior and exterior construction: flooring, wainscoting, decorative panels, fireplace facings and hearths, roofing, copings, lintels, and sills.

TURNER BROTHERS STONE CO., INC., P. O. Box 297, Crossville, Tennessee



(TENNESSEE STONE) tennquartz

(REG. U. S. PAT. OFFICE)

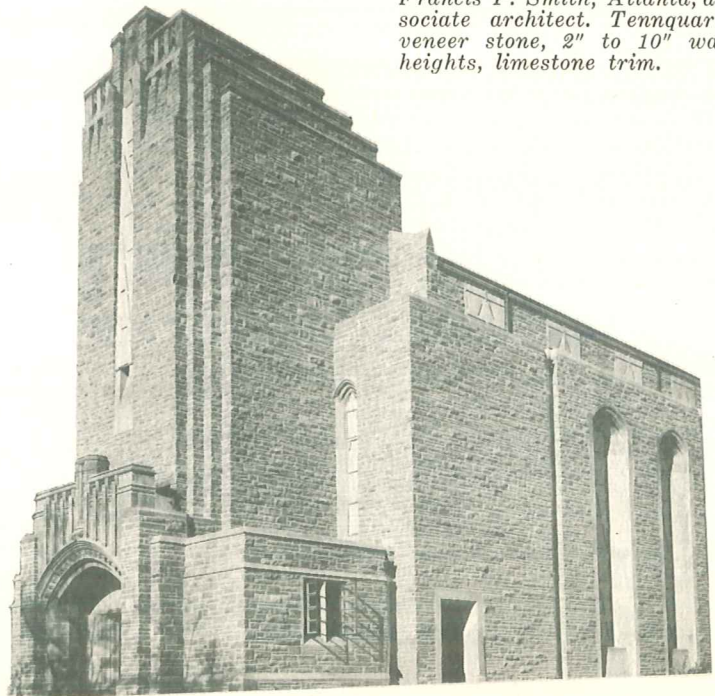


Park National Bank, Knoxville, Tennessee. Broadway Branch Auto Bank. Baumann & Baumann, architects. Tennquartz strip rubble veneer, 1" to 6" wall heights, random lengths.

Tennquartz is a Crab Orchard District quartzite, of extreme hardness and durability, resistant to weathering, impervious, and non-slip, which stays clean by occasional rains, and does not fade. It has a natural cleft surface which is reasonably smooth, and is quarried in stratified layers in thicknesses from $\frac{1}{2}$ " to 8", with some layers up to 14".

The sparkling color of Tennquartz is richly variegated with shades of buff, tan, pink and purple dramatically marked with frequent swirls and stripes. Throughout the United States and Canada, it is used extensively for exteriors on churches, institutions, commercial buildings, and large homes. Specific applications range from entire walls to step treads, coping, sills, walks, borders, platforms, swimming pools, bath house floors and formal walks. It is often specified for interiors also — floors, walls, fireplaces, wainscoting and decorative trims.

TENNESSEE STONE COMPANY, INC.
705 Broadway, N.E., Knoxville, Tennessee



Sanctuary of the Lutheran Church of the Redeemer, Atlanta, Georgia. Harold E. Wagoner, Philadelphia, architect; Francis P. Smith, Atlanta, associate architect. Tennquartz veneer stone, 2" to 10" wall heights, limestone trim.

For additional information, please see our Tennquartz catalog in this section. $\left(\frac{3c}{Te} \right)$

winona travertine stone

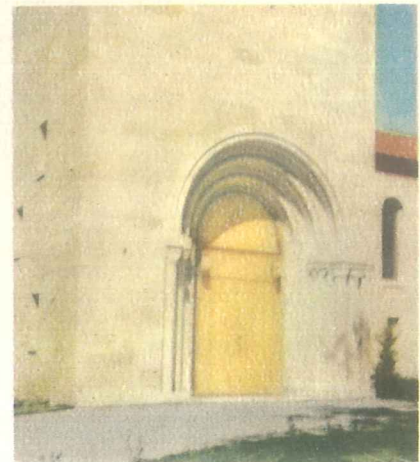


Winona Travertine, split face ashlar, 2 1/4", 5", and 7 3/4" heights, 48" lengths, random ashlar.

Winona Travertine Stone is a Minnesota dolomitic limestone, dense, frost proof, and low in absorption, which is produced both as a cut stone and in split face veneer. In cut stone the color is definitely light, ranging from deep to pale cream with traces of pink. The split face, however, is quite varied in color with pastel shades of gray, cream, buff, pink, yellow and brown, so intermingled they seem to be part of the very texture of this stone.

Winona Travertine cut stone is fabricated for all cut stone purposes, including carving, but because of its exceptional wear resistant qualities its widest use has been for step treads and floors, in both interiors, as at Harkness Memorial at Yale University, and exteriors, as at the Universities of Wisconsin and Notre Dame. Winona Travertine split face is sawed to heights of 7/8", 2 1/4", 3 5/8", 5", 7 3/4", and 10 1/2". It is split by machines which produce up to 8-foot lengths, and the face is the natural seam, so there is no color fading. Because of its resistance to frost Winona Stone does not have to be set on its natural bed.

BIESANZ STONE COMPANY, INC.
Winona, Minnesota



Trinity Lutheran Church, Rochester, Minnesota. Ellerbe & Company, St. Paul, architects. Winona Travertine, sawed face ashlar, 5", 7 3/4" and 10 1/2" heights, random lengths. Winona cut stone trim.



Stairs, Cathedral of the Sacred Heart, Winona, Minnesota. John J. Flad & Associates, Madison, Wisconsin, architects. Winona Travertine cut stone.

members of the international cut stone contractors' and quarrymen's association

ALABAMA

Alabama Limestone Co.
Route 3
Russellville, Alabama
Garner Stone Company
(Oneonta Stone)
Route 5, Box 880
Birmingham 6, Alabama

ARIZONA

Dunbar Stone Company
P. O. Box 858
Ashfork, Arizona
Grand Canyon Quarries, Inc.
P. O. Box 112
Ashfork, Arizona
Western States Stone Co.
(Kaibab)
Ash Fork, Arizona

ARKANSAS

Texas Ledge Stone Co.
(Harmony Ledge Stone)
P. O. Box 288
Clarksville, Arkansas

CALIFORNIA

Western States Stone Co.
(Kaibab)
5225 Wilshire Blvd.
Los Angeles, Calif.
P. O. Box 117
Oakland, Calif.
P. O. Box 312
Santa Clara, Calif.

COLORADO

Colorado Stone Co.
1645 N. Main Street
Longmont, Colorado
Jacobson-Evans Stone
Company, Inc.
(Colorado Pink)
P. O. Box C
Lyons, Colorado
Herman A. Kasch
7390 W. 48th Avenue
Wheat Ridge, Colorado
Summers Rock Quarry
(Colorado Red Stone)
P. O. Box 124
Lyons, Colorado

DISTRICT OF COLUMBIA

R. B. Phelps Stone Co.
2501 Ninth Street, N.E.
Washington, D. C.

ILLINOIS

Henry C. Arch & Son
7665 Van Buren Street
Forest Park, Illinois
Argyle Cut Stone Co.
4931 N. Cicero Ave.
Chicago, Illinois
Aurora Cut Stone Co.
36 Cedar Street
Aurora, Illinois
Benson Cut Stone Co.
10th Ave. & 10th St.
Rockford, Illinois
Cicero Cut Stone Co.
3141 S. 60th Court
Cicero, Illinois

Crockatt Brothers
5404 N. Northwest
Highway
Chicago 30, Illinois

A. Fischer Stone Co.
8343 Niles Center Road
Skokie, Illinois

Galloy & Van Etten Inc.
11756 S. Halsted St.
Chicago 28, Illinois

Adam Groth & Co.
717 E. Cass Street
Joliet, Illinois

Hess Stone Company, Inc.
646 Pitner Avenue
Evanston, Illinois

Interstate Stone & Marble
Works Inc.
1930 Illinois Avenue
East St. Louis, Illinois

The Niccolls Stone &
Contracting Company
P. O. Box 355
Springfield, Illinois

North Shore Stone Co.
6645 N. Ridge Ave.
Chicago, Illinois

F. H. Rechel Stone Co.
2503 N. Station St.
Chicago, Illinois

Reich Cut Stone Co.
3003 S. Cicero Ave.
Chicago, Illinois

Geo. Schmidt
2920 W. 21st Street
Chicago 23, Illinois

Richards & Son
Skokie, Illinois

Simpson & Davidson
2808 S. Troy Street
Chicago, Illinois

Tessar-Johnson Company
2935 S. Cicero Ave.
Cicero 50, Illinois

Zimmerman Cut Stone Co.
55 East 89th Place
Chicago, Illinois

INDIANA

Bloomington Hoosier
Stone Company, Inc.
P. O. Box 116
South Rogers Street
Bloomington, Indiana

The Bloomington Lime-
stone Corporation
(Indiana Limestone)
P. O. Box 44
Bloomington, Indiana

Empire Stone Company
(Indiana Limestone)
P. O. Box 77
Bloomington, Indiana

Fluck Cut Stone Company
P. O. Box 365
Bloomington, Indiana

The Carl Furst Company
(Indiana Limestone)
P. O. Box 469
Bedford, Indiana

Galloy & Van Etten
On B & O Railroad, 2
Blocks East of Virginia
Street, P. O. Box 431
Gary, Indiana

Harding & Cogswell, Inc.
P. O. Box 37
Ellettsville, Indiana

B. G. Hoadley Quarries, Inc.
(Indiana Limestone)
P. O. Box 112
Bloomington, Indiana

Indiana Limestone Co., Inc.
(Indiana Limestone)
Bedford, Indiana

Indianapolis Cut Stone
Corporation
5345 Winthrop Avenue
Indianapolis, Indiana

McNeely Stone Company
P. O. Box 14
Ellettsville, Indiana

Solomito Stone Company
103 W. Allen
Bloomington, Indiana

Taylor-Tucker, Inc.
3033 English Avenue
Indianapolis 1, Indiana

Texas Quarries, Inc.
(Indiana Branch)
P. O. Box 64
Bloomington, Indiana

Victor Oolitic Stone Co.
(Indiana Limestone)
P. O. Box 65
Bloomington, Indiana

Whiting Cut Stone Co.
1600 Center Street
Whiting, Indiana

IOWA

Davenport Cut Stone
Company, Inc.
P. O. Box 663
1100 S. Farragut St.
Davenport, Iowa

Garrison Building Stone
Company
P. O. Box 131
Mason City, Iowa

Rowat Cut Stone Co.
110 S. E. 7th Street
Des Moines, Iowa

KANSAS

Bandera Stone Company
Redfield, Kansas
Kansas Natural Stone Co.
Hays, Kansas

J. T. Lardner
128 N. Van Buren St.
Topeka, Kansas

Manhattan Stone Co.
414 S. 5th Street
Manhattan, Kansas

Silverdale Cut Stone Co.
P. O. Box 45
Silverdale, Kansas

Walker Cut Stone Co.
(Junction City Stone,
Paxico, and Kansas
Travertine)
P. O. Box 269
Junction City, Kansas

KENTUCKY

Covington Cut Stone Co.
119 East 32nd Street
Covington, Kentucky
Lexington Cut Stone Co.
608 East Third Street
Lexington, Kentucky

LOUISIANA

B. & B. Cut Stone Co.
P. O. Box 1672
Shreveport, Louisiana

MARYLAND

McLeod Romborg Stone
Company
Bladensburg, Maryland
Rullman & Wilson
Lafayette Avenue and
Dickson Street
Baltimore 17, Maryland
C. E. Weaver Stone Co.
(Chesapeake-hue)
Reistertown, Maryland

MASSACHUSETTS

New England Cut Stone
Company, Inc.
170 Granite Avenue
Dorchester, Mass.

MICHIGAN

Central Cut Stone Co.
8215 Moran Street
Detroit 11, Michigan
Detroit Cut Stone Co.
11731 Cloverdale Ave.
5997 Milford St.
Detroit, Michigan
Kawkawlin Stone Sales
P. O. Box 292
Kawkawlin, Michigan
Loeffler Quarries
14501 Hamilton Ave.
Detroit 3, Michigan
Meier Cut Stone Co.
9664 French Road
6615 French Road
Detroit 13, Michigan
Southers Cut Stone Co.
15310 Idaho Street
Detroit 3, Michigan
Valentine Stone & Marble
Company
244 Pike Street, N.W.
Grand Rapids, Michigan

MINNESOTA

The Babcock Company
(Kasota Stone)
Kasota, Minnesota
Biesanz Stone Co., Inc.
(Winona Stone)
Goodview Road
Winona, Minnesota

members (Continued from previous page)

Mankato Stone Company
(Mankato Stone)
P. O. Box 764
Mankato, Minnesota

Rich-McFarlane Cut Stone Co.
2707 26th Avenue South
Minneapolis, Minnesota

MISSOURI

Carthage Marble Corp.
(Carthage Limestone)
P. O. Box 612
Carthage, Missouri

L. J. Chaplin Natural Stone Company
848 S. Newton
Springfield, Missouri

Al Elam, Inc.
Lake Ozark, Missouri

Forrester Cut Stone Co.
4915 Chelsea
Kansas City, Missouri

Reitz Bros. Stone Co.
6912 Noonan Avenue
St. Louis, Missouri

St. Genevieve Building Stone Company, Inc.
St. Genevieve, Missouri

The Stone Center
3200 Brannon Avenue
St. Louis, Missouri

Wm. Yahl Stone Contracting Co.
Taylor & Monroe Aves.
Kirkwood 22, Missouri

NEBRASKA

Sunderland Bros. Co.
609 N. 46th St.
Omaha, Nebraska

NEVADA

Western States Stone Co.
(Kaibab)
Jean, Nevada

NEW JERSEY

Bergen Bluestone Co.
Route #17
Paramus, New Jersey

The Bergen County Cut Stone Company, Inc.
605 Market Street
East Paterson, N. J.

Bez Stone Company
323 Dodd Street
East Orange, N. J.

Monahan-McCann Stone Company
100 Roanoke Avenue
Newark 5, N. J.

NEW YORK

Atlantic Cut Stone Corp.
2507 Rowe Street
Bronx 61, New York

Backus Cut Stone Corp.
2750 Webster Avenue
New York 58, N. Y.

Best Bros., Inc.
14-20 Broadway
32-02 14th Place
Long Island City 6, N.Y.

Colonna & Co., Inc.
34-46 Vernon Blvd.
Long Island City 6, N.Y.

Finger Lakes Stone Co.
(Lenroc)
1 Ellis Hollow Road
Ithaca, New York

The Willis Hankins Bluestone Quarries
Narrowsburg, N. Y.

Loomis Stone & Marble Company
1807 Elmwood Avenue
Buffalo, New York

A. T. Petrillo Co.
Fulton Ave. & 7th St.
Mt. Vernon, N. Y.

Pizzutello Stone Works
3370 Cruger Avenue
New York, New York

S. Pizzutello & Company
1215 38th Street
Brooklyn, New York

Republic Stone Corp.
961 Grand Street
Brooklyn 11, N. Y.

Adam Ross Cut Stone Co., Inc.
999-1011 Broadway
Albany, New York

United Stone Works, Inc.
243 Chester Street
Brooklyn 12, N. Y.

William F. Watson Stone Corp.
60 Alexander Street
Yonkers, New York

OHIO

The Briar Hill Stone Co.
Glenmont, Ohio

The Cleveland Quarries Company
(Berea Sandstone)
Amherst, Ohio

Gregory Stone Co., Inc.
1860 N. Gettysburg Ave.
Dayton 7, Ohio

David Hummel Building Company
2629 Spring Grove Ave.
Cincinnati, Ohio

Kientz Cut Stone Co.
464 West State Street
Columbus, Ohio

C. J. Lang Co.
551 S. Fifth Street
Columbus, Ohio

Mogg Cut Stone Co.
12406 Marston Ave.
Cleveland, Ohio

Parma Cut Stone Co.
11320 Brookpark Road
Cleveland 9, Ohio
1696 Copley Road
Akron, Ohio

Pearl Sandstone Co.
(Pearl Sandstone)
R. F. D. 3
Fresno, Ohio

Felix Pesa Cut Stone Co.
745 Andrews Avenue
Youngstown, Ohio

Toledo Cut Stone Co.
903 Dearborn Avenue
Toledo, Ohio

OKLAHOMA

Consolidated Cut Stone Company, Inc.
P. O. Box 1795
Tulsa, Oklahoma

PENNSYLVANIA

Consolidated Stone Company, Inc.
River Road, 18th Ward
Reading, Pennsylvania

Paul Kress & Son
Bridge Street, Millvale
Pittsburgh 9, Pa.

Penn Kress Flagstone Co.
(Penn-Kress Stone)
Bridge Street, Millvale
Pittsburgh 9, Pa.

Vickery Stone Company
P. O. Box 94
Upper Darby, Pa.

John Waters Company
701 Lysle Boulevard
700-706 4th Avenue
McKeesport, Pa.

TENNESSEE

Christie Cut Stone Co.
2082 Elzey Avenue
Memphis, Tennessee

Crab Orchard Stone Company, Inc.
(Crab Orchard Stone)
P. O. Box 238
Crossville, Tennessee

Knoxville Building Stone Company
P. O. Box 631
Knoxville, Tennessee

Loeffler Quarries
P. O. Box 283
Crossville, Tennessee

Tennessee Stone Co., Inc.
(Tennquartz)
705 Broadway, N.E.
Knoxville, Tennessee

Turner Bros. Stone Company, Inc.
(Tennessee Variegated)
P. O. Box 297
Crossville, Tennessee

TEXAS

Houston Stone Company
137 Heights Boulevard
Houston, Texas

C. H. Owens Company
403 Nalle Building
P. O. Box 291
Austin, Texas

San Jacinto Stone Co.
1817 Preston Avenue
P. O. Box 2476
Houston, Texas

San-Tex Stone Quarry, Inc.
(Liberty Hill)
4130 Broadway
San Antonio, Texas

South Texas Stone Co.
P. O. Box 1634
Katy & Look Roads
Houston, Texas

Texas Quarries, Inc.
(Cordova Shell)
P. O. Box 91
Austin, Texas

UTAH

New Park Mining Co.
901-4 Walker Bank Bldg.
Salt Lake City, Utah

Wilford H. Hansen
215 W. 5th South
Sandy, Utah

VIRGINIA

Marsteller Corporation
P. O. Box 810
Roanoke, Virginia

WISCONSIN

Acme Lannon Stone Inc.
P. O. Box 103
Lannon, Wisconsin

Burlington Quarries Corporation
(Sunset Stone)
Burlington, Wisconsin

Conco Lannon Quarry
(Conco Lannon)
Lannon, Wisconsin

Fond du Lac Stone Company, Inc.
(Fond du Lac Stone)
P. O. Box 148
Fond du Lac, Wisconsin

Halquist Lannon Stone Company
(Halquist Lannon)
Sussex, Wisconsin

Quality Limestone Co.
9835 W. Lisbon Ave.
Wauwatosa, Wisconsin

P. Schmidt & Co., Inc.
4103 W. Custer Avenue
Milwaukee 9, Wisconsin

Vollbrecht Cut Stone Co.
139 S. 16th Street
Milwaukee 3, Wisconsin

CANADA

Martineau Cut Stone Company, Ltd.
5000 13th Avenue
Montreal, Quebec

Missisquoi Stone & Marble Company, Ltd.
Philipsburg, Quebec

Harold Quinlan Cut Stone Ltd.
Ville La Salle,
1 Quinlan Avenue
Montreal, Quebec

The Ritchie Cut Stone Company, Ltd.
120 Bloor Street W.
Toronto, Ontario

James N. Scott Cut Stone Ltd.
3 Convarco Rd., Leaside
Toronto, Ontario

Alex Young Cut Stone Co.
Scarth St. & 4th Ave.
Regina, Saskatchewan

associate members:

Felker Manufacturing Co.
Torrence, California

Golconda Corporation
3418 N. Knox Avenue
Chicago, Illinois

W. F. Meyers Company
Bedford, Indiana

New Albany Machine & Manufacturing Co.
East Tenth & Water Streets
New Albany, Indiana

Patch Wagner Company, Inc.
56 Howe Street
Rutland, Vermont

Pollard Machinery Company
Niagara Falls, New York

Southwest Industries, Inc.
Oklahoma City, Oklahoma

Stone Machinery Company
Manlius, New York

Ty-Sa-Man Machine Company
1000-50 White Avenue
Knoxville 1, Tennessee

Vesper Company
437 W. Palmer Avenue
Glendale 4, California

Western Waterproofing Co., Inc.
1223 Syndicate Trust Bldg.
St. Louis, Missouri

applications of building stone



*John Hancock Mutual Life Insurance
Building, Boston, Mass.
Cram & Ferguson, architects.
Photograph by A. F. Lydiard*



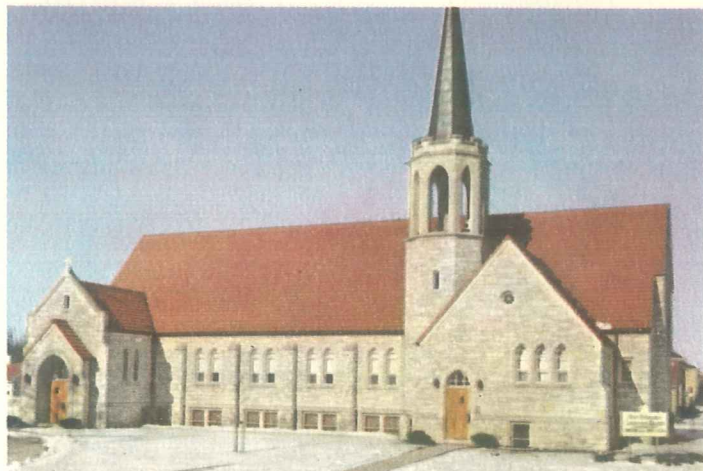
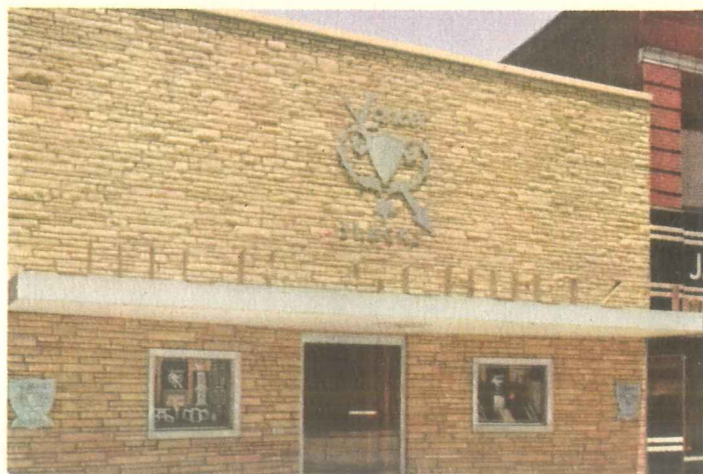
H. A. Stubbee, Architect

Joe Smay, Architect



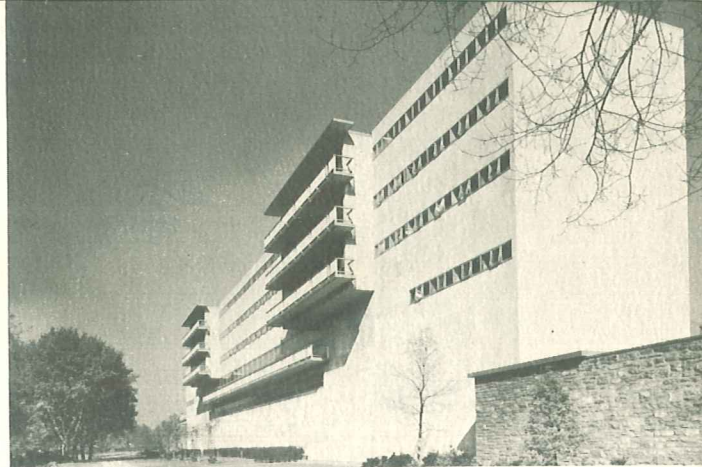
Zimmerman & Bible, Architects

Finn, Cummins & Taylor, Architects



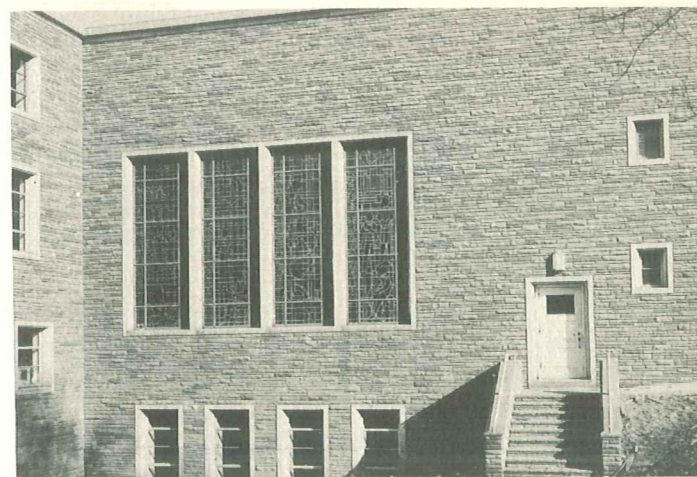
The International Cut Stone Contractors' and Quarrymen's Association represents a great variety of interests, all of which, however, have this in common, that their sole effort is the promotion of natural stone as a building material. Since the varieties of stone available today are very numerous, the interests which these stones serve are also numerous. No building, no project is too large for stone. And no structure is too small.

There are, of course, building stones which have always been associated with great architecture, monumental building. There are others, some of which have only recently become well known, which best serve the residence, the store, the small commercial building. Some stones lend themselves to the most intricate and delicate workmanship; others are best



Carroll, Grisdale & Van Alen, Architects

Cram and Ferguson, Architects



Charles M. and Edward Stotz, Architects

Holabird, Root & Burgee, Architects



adapted to modern "slab" architecture. But there is no building, no matter what its size or style, its location or its purpose, which cannot best be served by stone. This service is effective under all conditions — under conditions of affluence or economy, of conservation or progression, of utility or experimentation. The few examples of stone applications illustrated here are typical only. They merely point to the great variety of uses for which stone is the *first* building material, the most economical building material. Thousands of additional illustrations might be added without telling the whole story. The history of architecture is replete with examples. Contemporary building adds daily to the list. Yet there is no surfeit. For it is part of the glory of stone that it is always new, always contemporary, always in good taste.

surface finishes of cut stone

Surface finishing of cut stone is frequently an important factor in its final beauty as set in a job. Variations in texture which result from different finishes, increase greatly the working palette of the architect, since the original wide range of stones is made broader still by a consideration of the choice of finishes.

Not all stones, of course, take every finish. And where a finish is applicable, it should be analyzed for cost, particularly if hand labor is required.

More detailed information than can be provided here may be obtained from any of the Stone Association members listed in this Catalog.

SMOOTH PLANER FINISH

This is the finish left on the stone as it comes from the planer, with such tool marks as may exist being carefully removed from the finished surface of the stone. It is the finish most generally specified by the architect.

CARBO-FINISH

This is a very smooth finish produced by the use of a carborundum machine instead of a planer.

RUBBED FINISH

This requires the rubbing of the stone with an abrasive, after the stone has been planed. Today, with carboloy tipped planer tools, this operation is generally unnecessary, since the planer tool takes the stone down to a finish comparable to a rubbed finish. Rubbing stone adds to the cost.

SAWED FINISH, SAND-SAWED

This is the finish which is left as the stone comes from the gang-saw. As such, it provides a moderately smooth, granular surface, varying in texture with the type of stone.

SAWED FINISH, CHAT-SAWED

Finish is produced by sawing with coarse chat under the sawing blade, resulting in an interesting, rough surface texture.

SAWED FINISH, SHOT-SAWED

Finish is similar to chat-sawed, except that chilled steel shot is used under the blades. The finished surface is heavily ribbed with irregular, roughly parallel grooves.

TOOLED FINISHES

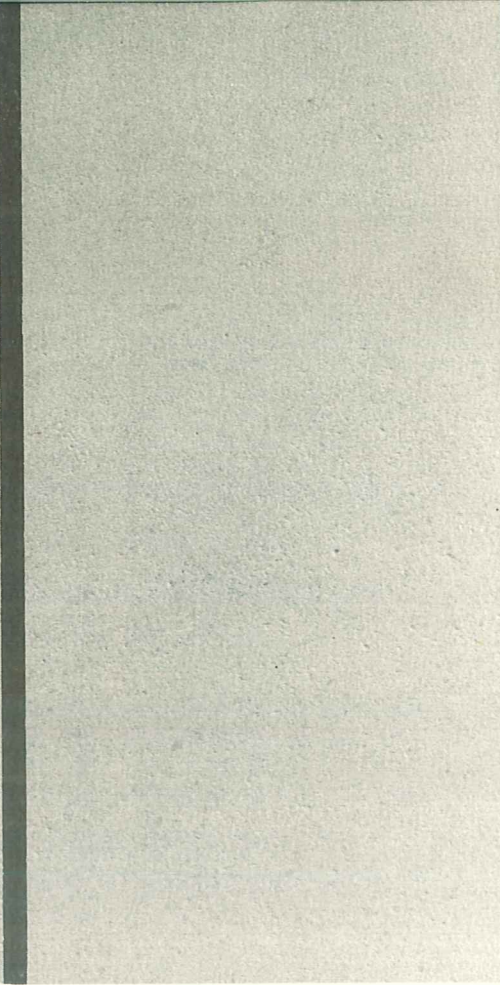
Since tooled finishes are usually costly, they seldom are used in modern construction. It is recommended that an Association member be consulted before specifying these finishes.

HAND FINISHES

There is also a wide variety of hand finishes applicable to cut stone. These are usually expensive and should be considered only when cost is not an important factor. Information about such finishes as bush hammer, crandal, pick point, stripping, etc., is available from any of the members listed in this catalog.



Plainer Finish



Rubbed Finish



Sand Sawed Finish

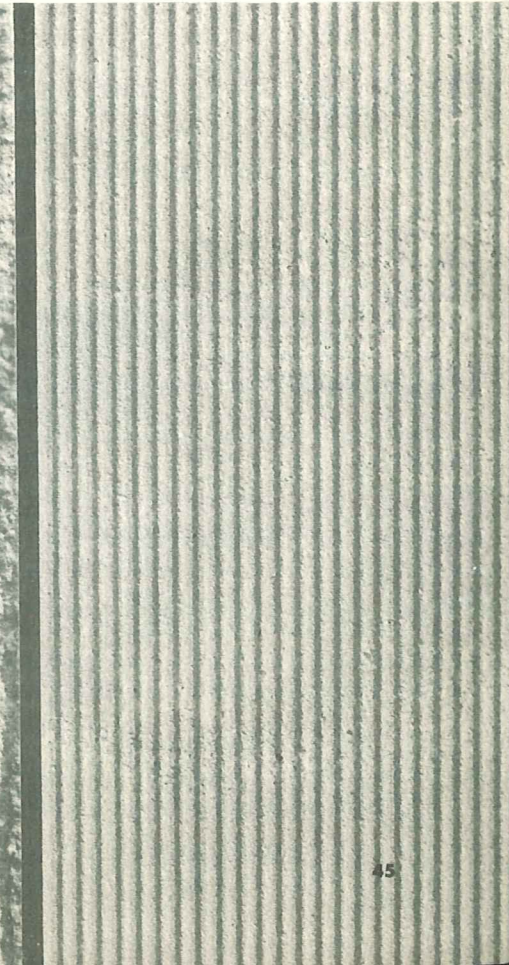
Chat Sawed Finish



Shot Finish



Tooled Finish



Limestone, the nation's building stone, adds majesty and permanence to every architectural conception. Here, it is Indiana Limestone, beautifying the buildings of Radio City, New York. Architects: Reinhart and Hofmeister; Corbett, Harrison and McMurray; Hood and Foulhoux.

why stone?

... because natural stone is the one building material which possesses *all* the qualifications which a good building material should have: performance, appeal, adaptability, availability and economy.

PERMANENCE

Natural stone is the tablet on which man's history is written. Stone endures. It stamps a note of permanence to a structure. It is worthy of man's best achievements, and preserves them as no other material can.

APPEAL

Whether the effort be great or small, monumental or utilitarian, there is a stone ideally suited for the job, a stone which architects and laymen alike can view with complete satisfaction. It is no accident that today, when public appreciation of appearance is so keen, stone should be gaining rapidly in popularity. Natural stone has a natural appeal — for everybody.

ADAPTABILITY

In a continent as large as this, the needs of one area must surely differ from those of many others. And even within the same area, varieties of purpose, of taste, of income must demand a wide variety of choice. Yet stone — natural stone — meets all these demands. There is no limit to its applications, no limit to its use.

AVAILABILITY

There is never any shortage of stone. So long as there are men to quarry it and transportation to ship it, stone is available. Today, next year, a hundred years from now, the supply is, and will be, for all practical purposes, inexhaustible.

ECONOMY

How do you estimate cost? True cost is a combination of initial cost plus cost of maintenance. The most effective way to decrease true cost today, is to decrease the cost of maintenance. And stone does just that. Natural stone is by far the most economical building material which money can buy.

Why stone? Because it is the building material.

INTERNATIONAL

CUT STONE CONTRACTORS' AND QUARRYMEN'S

ASSOCIATION



40 EAST 56TH STREET

INDIANAPOLIS, INDIANA

LITHO IN U.S.A.

BL-10-53-50M